

Betty L. Johnson

BULLETIN

**APPALACHIAN STATE
TEACHERS COLLEGE**

Member North Carolina College Conference

**Member American Association of Colleges
for Teacher Education**

**Member Southern Association of Colleges
and Secondary Schools**



**Summer School Issue
1953**

First Term June 10 to July 17

Second Term July 21 to August 27

BOONE, NORTH CAROLINA

MARCH QUARTER

NINETEEN HUNDRED FIFTY-THREE

1953

Summer
school

CALENDAR

of

Summer Session 1953

First Term

Registration for First Six-week Term	June 10
All Classes Meet in Regular Session	June 11
Fee for Late Registration	June 11
Last Day Registration for Credit Six-week Term	June 13
Registration for First Two-week Term, 3:00-5:00 P.M.	July 6
Close First Two-week Term	July 17
Close First Six-week Term	July 17

Second Term

Registration Second Six-week Term	July 21
Second Two-week Term	July 21-August 1
Audio-Visual Education Workshop	July 21-August 1
First Elementary Education Workshop	July 21-August 1
Librarian's Workshop	July 21-August 1
All Classes Meet in Regular Session	July 22
Fee for Late Registration	July 22
Last Day Registration for Credit Six-Week Term	July 25
Third Two-week Term	August 3-14
Second Elementary Education Workshop	August 3-14
Student Teaching Workshop	August 3-14
Music Education Workshop	August 3-15
Health Education Workshop	August 17-27
Close Second Six-week Term	August 27

Note

The schedule, program of instruction, and the personnel of the teaching staff announced in this bulletin are subject to such changes as may be necessary or deemed advisable by the administration.

The college reserves the right to discontinue any class when fewer than five students register for it.

BULLETIN

Appalachian State Teachers College
BOONE, NORTH CAROLINA

New Series

MARCH QUARTER, 1953

VOL. LI, No. 1

SUMMER SCHOOL ISSUE **for 1953**

Accredited Member of
The North Carolina College Conference
The Southern Association of Colleges and Secondary Schools
The American Association of Colleges
for Teacher Education

CO-EDUCATIONAL

Issued Quarterly
Entered as second-class matter at the post office
Boone, North Carolina

SOURCES OF INFORMATION

1. Questions on college policy and other general affairs should be addressed to Dr. B. B. Dougherty, President. Communications concerning gifts and bequests to the college should also be addressed to him.
2. Inquiries and requests concerning admission, credits and transcript for undergraduate work should be addressed to Mr. H. R. Eggers, Registrar. Requests for catalogs and other college bulletins should also be addressed to him.
3. Inquiries concerning graduation requirements for the Bachelor of Science degree, major and minor requirements, substitution of courses, and the transfer of college credits, should be addressed to Mr. H. R. Eggers, Registrar.
4. Inquiries concerning courses offered, major and minor requirements, and graduation requirements for the Master of Arts degree, should be addressed to Mr. Chapell Wilson, Director of Graduate Study.
5. Inquiries concerning fees and financial affairs of the college should be addressed to Mr. Barnard Dougherty, Business Manager.
6. Questions on veterans affairs should be addressed to Mr. W. C. Garvey, Director of Veterans Affairs.
7. Questions concerning rooms, housing, employment, and student affairs should be directed to Mr. Barnard Dougherty, Business Manager.
8. Questions concerning the Placement Bureau should be directed to Mr. J. D. Rankin, Director of the Placement Bureau.
9. Requests for application blanks for admission to the Graduate School should be addressed to Mr. Chapell Wilson, Director of Graduate Study.
10. Inquiries concerning student teaching should be addressed to Mr. Herbert W. Wey, Director of Teacher Training.

FACULTY

(Arranged in order of appointment)

B. B. DOUGHERTY, B.S., Ph.B., D.Litt., Ed.D. *President*

Student, Wake Forest College, 1892; Student, Holly Springs College, 1893; Principal, Globe Academy, 1893-'94; B.S., Carson-Newman College, 1896; Professor, Latin and Psychology, Holly Springs College, 1896-'97; Ph.B., University of North Carolina, 1899; Co-Principal, Watauga Academy, 1899-1903; Superintendent, Appalachian Training School, 1903-'21; Member Text Book Commission, 1916; County Superintendent, Watauga County, 1889-1916; President, Appalachian Training School, 1921-'25; D.Litt., Elon College, 1926; Ed.D., Wake Forest College, 1936; President, Appalachian State Normal School, 1925-'27; President, Appalachian State Teachers College, 1927-

J. T. C. WRIGHT, A.B., A.M., Ph.D. *Mathematics*

A.B., U. N. C., 1917; A.M., Peabody College, 1928; Ph.D., Peabody College, 1938; High School Principal, 1917-'20; Professor of Mathematics and Physics, Appalachian Training School, 1920-'21; Professor of Mathematics and Physics, Appalachian State Normal School, 1921-'27; Professor of Mathematics, Appalachian State Teachers College, 1927-

J. D. RANKIN, A.B., A.M., S.T.D. *Dean-English*

A.B., Rutherford College, 1898; A.M., Oskaloosa, 1912; S.T.D., Oskaloosa, 1922; Principal, Cleveland Schools, 1903-'05; Principal, New London High School, 1905-'10; Professor of English and Vice President, Scarritt-Morrisville College, 1911-'14; Superintendent City Schools, Norwood, Bessemer City, Cherryville, 1914-'21; Professor of English, Appalachian Training School, 1921-'25; Professor of English, Appalachian State Normal School, 1925-'27; Professor of English and Dean, Appalachian State Teachers College, 1927-

A. R. SMITH, A.B., A.M. *Chemistry*

A.B., Wake Forest College, 1921; A.M., University of North Carolina, 1926; Professor of Chemistry, Appalachian Training School, 1921-'25; Professor of Chemistry, Appalachian State Normal School, 1925-'27; Professor of Chemistry, Appalachian State Teachers College, 1927-

CHAPELL WILSON, A.B., M.A. *Director, Graduate Study*

A.B., Wake Forest College, 1920; M.A., Peabody College, 1924; Principal, Lumber Bridge High School, 1920-'22; General Education Board Fellowship, Peabody College, 1929-'30; Summer Quarter, Colorado State Teachers College, 1931; Education and Psychology, Appalachian State Normal School, 1922-'24; Education and Director of the Demonstration Schools, 1924-

V. C. HOWELL, A.B., M.A. *History*

A.B., Wake Forest College, 1920; Principal; A.M., Columbia University, 1926; Graduate Student, University of North Carolina, Summer Quarter, 1930; History, Appalachian State Normal School, 1925-'27; History, Appalachian State Teachers College, 1927-

G. P. EGGERS, A.B., A.M., Ph.D. *English*

A.B., Carson-Newman College, 1927; A.M., Duke University, 1932; Harvard University, 1932-'33; Ph.D., Duke University, 1938; English, Appalachian State Teachers College, 1927-

- HERMAN R. EGGERS, A.B., M.A. *Registrar*
A.B., Carson-Newman College, 1922; M.A., Peabody, 1927; High School Principal and Athletic Coach, 1922-'26; Elementary School Principal, Parker District, Greenville, S. C., 1927-'29; Grammar Grade Education, Appalachian State Teachers College, 1929-'33; Registrar, 1940-
- VIRGINIA WARY LINNEY, B.M., M.M. *Music*
B.M., University School of Music, London, Nebraska; M.A., Cincinnati Conservatory of Music, 1940; Piano Student with Mollie Margolies, Chicago Musical College; Student in Interpretation with Rudolph Ganz, Chicago Musical College; Music, Appalachian State Teachers College, 1929-
- BARNARD DOUGHERTY, B.S. *Business Manager*
B.S., Appalachian State Teachers College, 1932; Assistant Business Manager, 1929-'33; Business Manager, 1933-
- D. J. WHITENER, A.B., M.A., Ph.D. *History and Government*
A.B., University of North Carolina, 1922; M.A., *ibid.*, 1923; Ph.D., *ibid.*, 1932; Student Law School, *ibid.*, 1924; High School Principal, 1924-'28; Acting Head of History Department, Lenoir-Rhyne College, 1928-'29; Teaching Fellow in History, University of North Carolina, 1929-'30; Professor, American History and Government, Appalachian State Teachers College, 1932-
- R. W. WATKINS, B.A., M.A. *Physical Education*
B.A., Maryville College, 1931; Assistant Coach, High Point College, 1931-'32; M.A., George Peabody College for Teachers, 1936; Physical Education, Appalachian State Teachers College, 1932-
- STARR N. STACY, B.S., M.A. *Physics*
B.S., Appalachian State Teachers College, 1935; M.A., George Peabody College for Teachers, 1938; Geography, Appalachian State Teachers College, 1935; Physics, 1948-
- JULIAN YODER, B.S., M.A., Ph.D. *Geography*
B.S., Appalachian State Teachers College, 1933; M.A., George Peabody College for Teachers, 1938; Ph.D., University of North Carolina, 1949; Assistant in Mathematics and Chemistry, Appalachian State Teachers College, 1933; Geography, *ibid.*, 1936-
- WILEY SMITH, A.B., M.A., Ph.D. *Psychology*
A.B., Union University, 1924; M.A., Peabody College, 1928; Ph.D., *ibid.*, 1931; High School Principal and Teacher of Science, 1921-'28; Adjunct Professor of Psychology, University of South Carolina, 1931-'33; Instructor in Psychology, Asheville Teachers College, 1935-'36; Instructor in Psychology in Summer School, Mayfield College, 1929; Peabody College, 1931; Asheville, 1936; Professor of Psychology, Appalachian State Teachers College, 1936-
- MYRTLE BRANDON WILSON, B.S., M.A. *Primary Education*
B.S., Appalachian State Teachers College, 1933; M.A., Peabody College, 1937; Critic, Elementary School, Appalachian State Teachers College, 1933-'34; Critic, University of Mississippi, 1934-'35; Critic and Primary Education, Appalachian State Teachers College, 1936; Primary Education, 1938-
- HERBERT W. WEY, B.S., M.A., Ed.D. *Director Teacher Training*
B.S., Indiana State Teachers College, 1937; M.S., *ibid.*, 1938; D.Ed., *ibid.*, 1950; Indiana Public Schools, 1937-'38; Critic and Instructor of Teaching, High School, 1938-'41; Principal, High School, 1941; Education, 1949; Director, Teacher Training, 1951-

- CLEON HAYNES HODGES, A.B., M.S. *Health and Physical Education*
A.B., Louisiana State Normal College, 1930; M.S., Louisiana State University, 1938; Grove High School (Louisiana), 1932; Heflin High School (La.), 1936-'37; Physical Education, Appalachian State Teachers College, 1938-
- LUCY BROCK, A.B., M.S. *Home Economics*
A.B., University of Tennessee, 1923; Summer Study, University of California, 1926; M.S., University of Tennessee, 1931; Graduate Study, Columbia University, Summer Term, 1931; Special Problems, University of Tennessee, 1932-'33; Home Economics, Appalachian State Teachers College, 1938-
- HELEN BURCH, A.B., M.A. *Dean of Women—Geography*
A.B., Woman's College of Greater University of North Carolina, 1919; M.A., Peabody College for Teachers, 1932; Graduate Study in Geography Department, Chicago University, 1936-'37; Graduate Study in Education and Geography, University of North Carolina, 1938-'40; Education, Supervisor, Teacher Training Unit, West Georgia Teachers College, 1938-'40; Awarded Rosenwald Scholarship to University of North Carolina, 1939-'40; Education, Geography, Supervisor, Teacher Training, Flora Macdonald College, 1940-'41; Education, Appalachian State Teachers College, 1942; English, 1943-'44; Geography, 1944-
- CATHERINE J. SMITH, B.S., M.A., Ed. *Art*
B.S., Oklahoma University, 1936; M.A., Ed., 1938; Graduate Assistant, *ibid.*, 1937; 1938; Supervisor of Art, Drumright, Oklahoma, 1938-'41; Art, Appalachian State Teachers College, 1941-
- VIVIAN WOOD WELBORN, B.S., M.S. *Home Economics*
B.S., Georgia State College for Women, 1941; M.S., University of Tennessee, 1948; Teacher, Glyn Academy (Georgia), 1941-'42; Vocational Home Economics, Glenville High School (Georgia), 1941-'44; Home Economics, Appalachian State Teachers College, 1944-
- JOHN G. BARDEN, B.A., M.A., Ph.D. *Education*
B.A., University of North Carolina, 1922; M.A., Teachers College, 1924; Ph.D., Columbia University, 1941; Mathematics, Rocky Mount High School, 1922-'23; Education, City College of New York, 1924-'25; Principal, South Chapel High School, 1925-'26; Director of Education, Congo Mission, Africa, 1926-'36; Visiting Professor of Education, Duke University, 1937-'39; Professor of Education, Presbyterian College, 1930-'44; Education, Appalachian State Teachers College, 1944-
- LORIS SHIPMAN, A.B., B.S., M.A. *English*
A.B., Meredith College, 1919; B.S., Peabody College, 1925; M.A., *ibid.*, 1930; English, Mississippi High School, 1919-'30; English, Peabody College, 1930-'31; English, Burritt College, 1931-'35; English, East Mississippi Junior College, 1936-'46; English, Appalachian State Teachers College, 1946-
- A. MADELAINE MCCAIN, A.B., M.P.H. *Health Education*
A.B., East Carolina Teachers College, 1930; M.P.H., School of Public Health, U. N. C., 1947; High School Teaching, 1930-'45; Winthrop College, 1947; Health Education, Appalachian State Teachers College, 1947-
- A. G. MONTGOMERY, B.A., B.S., LL.B., M.A., M.S. *Mathematics*
B.A., B.S., LL.B., M.A., M.S., University of West Virginia; Ph.D., pending, Cornell University; D.Ed., pending, Columbia University; Physics, Grove City College (Pa.); U. S. Naval Academy, University of Delaware; Mathematics and Physics, Appalachian State Teachers College, 1946-

- GAIL CLAY, B.S., M.A. *Physical Education*
 B.S., Appalachian State Teachers College, 1944; M.A., University of North Carolina, 1950; Physical Education, Appalachian State Teachers College, 1944-
- LEE F. REYNOLDS, B.S., M.A., Ed.D. *Elementary Education*
 B.S., Ball State Teachers College, 1934; M.A., *ibid.*, 1937; Ed.D., Indiana University, 1946; Teacher fourth and fifth grades, Maxwell, Indiana, 1920-'31; Principal Elementary School, Middletown, Ind., 1931-'36; Mathematics and History teacher, Winchester, Ind., 1926-'38; Appalachian State Teachers College Laboratory School, 1938-'43; U. S. Navy, 1943-'46; Grammar Grade Education, Appalachian State Teachers College, 1946-
- GORDON A. NASH, B.A., M.A. *Music*
 B.A., Eastern Kentucky State, 1937; M.A. in Music, University of Kentucky, 1950; Band Director, Evarts High School, Kentucky, 1936-'37; Band Director, Appalachian High School and Appalachian State Teachers College, 1937-'42. Officer, U. S. N. R., 1942-'46. Band Director, Appalachian State Teachers College, 1950-
- F. RAY DERRICK, B.S., M.S. *Biology*
 B.S., University of South Carolina, 1934; Graduate Study in Biology, University of South Carolina, 1934-'35; Liberty High School (S. C.), 1935-'38; M.S., University of South Carolina, 1937; Greenville Senior High School (S. C.), 1938-'41; Graduate Study in Biology, Alabama Polytechnic Institute, Summer, 1941; Teacher in Richmond Academy, Augusta (Ga.), 1941-'43; Head of Department of Biology, Junior College of Augusta (Ga.), 1943-'46; Biology, Appalachian State Teachers College, 1946-
- LEO K. PRITCHETT, B.A., M.Ed. *Dean of Men—Social Studies*
 B.A., Davidson College, 1928; M.Ed., Duke University, 1936; Principal, Lees-McRae Institute, 1928-'29; Dean and Registrar, Lees-McRae College, 1929-'47; History, Appalachian State Teachers College, 1947-
- MADGE M. RHYNE, B.S., H.E., M.S. *Home Economics*
 B.S., H.E., Woman's College, University of North Carolina, 1931; M.S., H.E., *ibid.*, 1941; Home Economics, high schools, 1931-'41; Brevard Junior College, 1941-'44; T.V.A.-N.C. Extension Service, 1944-'47; Appalachian State Teachers College, 1947-
- EUNICE QUERY, A.B., A.B. in L.S. *Library Science*
 A.B., Duke University, 1931; A.B. in L.S.; University of North Carolina, 1939; Hudson High School, 1931-'37; Assistant Librarian, High Point School, 1937-'39; Librarian, Lenoir High School, 1939-'45; Public Library, Caldwell County, 1945-'47; Library Science, Appalachian State Teachers College, 1947-
- NICHOLAS G. ERNESTON, B.M., M.M., M.Ed. *Music*
 B.M., Shenandoah Conservatory of Music, 1942; M.M., Cincinnati Conservatory of Music, 1948; M.Ed., University of Cincinnati, 1948; Music, Norwood City Schools, Norwood, Ohio, 1946-'48; Music, Appalachian State Teachers College, 1948-
- BEN H. HORTON, B.S., M.A. *Education*
 B.S., Appalachian State Teachers College, 1935; M.A., *ibid.*, 1950; Gaston County Schools, 1932-1940; Mecklenburg County Schools, 1940-1948; Critic Teacher, Appalachian State Teachers College, 1948-1950; Education, *ibid.*, 1950-

- ILA MAE TAYLOR, A.B., B.S. in L.S., M.S. in L.S.....*Library Science*
A.B., Berea College, 1936; B.S. in L.S., Peabody College, 1941; M.S. in L.S., *ibid.*, 1947; Librarian, Scott County, Virginia; Library Science, Eastern Illinois State Teachers College; Library Science, West Virginia University; Library Science, Appalachian State Teachers College, 1949-
- JAMES T. THOMPSON, A.B., M.B.A.....*Business Education*
A.B., Murray State College, 1948; M.B.A., Graduate School of Business, Indiana University, 1949; Graduate Assistant, *ibid.*, 1948-'49; Business Education, Appalachian State Teachers College, 1949-
- JOHN KIRK, B.S., M.A.....*Physical Education*
B.S., Appalachian State Teachers College, 1948; M.A., *ibid.*, 1950; Reynolds High School, 1949-'50; Physical Education, Appalachian State Teachers College, 1950-
- WILLIAM G. SPENCER, B.M.Ed., M.A.....*Music*
B.M. Ed., Northwestern University, 1943; M.A., Teachers College, Columbia University, 1949; Professional Diploma in Music Education, *ibid.*, 1950; Academic requirements completed for Ed.D., *ibid.*, 1952; Supervisor of Music in Public Schools, Nooksack, Washington, 1946-'48; Band Director, Disston Junior High School (Fla.), 1950-'51; Music, Appalachian State Teachers College, 1951-
- J. R. MELTON, B.A., M.A., Ph.D.....*Education*
B.A., Duke University, 1932; M.A., *ibid.*, 1942; Ph.D., University of North Carolina, 1950; Mecklenburg County Elementary and High School Principal, 1932-'42. Principal, Kannapolis High School, 1946-'48. Graduate Assistant, University of North Carolina, 1948-'50. Education, Appalachian State Teachers College, 1950-
- ARNOLD VAN PELT, B.A., M.S., Ph.D.....*Biology*
B.A., Swarthmore College, 1945; M.S., University of Florida, 1947; Ph.D., *ibid.*, 1950. Graduate Assistant, Biology Department, University of Florida, 1946-'48. Biology, Appalachian State Teachers College, 1950-
- MILDRED A. DAWSON, B.A., M.A., Ed.D.....*Education*
B.A., Iowa State Teachers College, 1922; M.A., University of Chicago, 1928; Ed.D., N. Y. U., 1936; State Teachers College, Indiana, Pa., 1922-'24; Iowa State Teachers College, 1925-'27; Head, El. Ed. Dept., U. of Wyoming, 1929-'35; U. of Tennessee, 1937-'45; El. Supv., Kingston, N. Y., 1947-'49; Fredonia S. T. C., 1949-'52; Education, Appalachian State Teachers College, 1952-
- WALTON S. COLE, A.B., M.M.....*Music*
A.B., Southwestern at Memphis, 1943; M.M., University of Arizona, 1950; Part-time Instructor in Piano, University of Arizona, 1946-'48; Instructor in Piano, Appalachian State Teachers College, 1951-
- ELOISE CAMP MELTON, B.A., M.A.....*Library Science*
B.A., East Carolina Teachers College, 1935; M.A., Library Science, Peabody College, 1943; Librarian, Cannon High School, Kannapolis, 1943-'47; State Supervisor, School Libraries, N. C. State Dept. of Education, 1947-'50; Library Science, Appalachian State Teachers College, 1950-
- MARION B. ADAMS, B.S., M.S.....*Home Economics*
B.S., Winthrop College, 1950; M.S., University of Alabama, 1951; Home Economics, Appalachian State Teachers College, 1951-

- PRESNELL A. MULL, B.S., M.A.**.....*Physical Education*
B.S., Appalachian State Teachers College, 1947; M.A., *ibid.*, 1951; Director Physical Education, Lenoir High School, 1947-'51; Physical Education, Appalachian State Teachers College, 1951-
- JOHN R. SHAFFER, B.S., M.A., Ed.D.**.....*Education*
B.S., Memphis State College, 1936; M.A., Teachers College, 1939; Ed.D., Indiana University, 1951; Habibia College, Kabul, Afghanistan, 1939-'42; Principal, Delphi High School (Ind.), 1946-'49; Assistant Principal, Appalachian High School and Professor of Education, Appalachian State Teachers College, 1951-
- MAX R. RAINES, B.A., M.S., Ph.D.**.....*Education*
B.A., DePauw University, 1944; M.S., Indiana University, 1949; Ph.D., Michigan State College; Counselor, Tulsa University one year; Guidance and Counseling, Appalachian State Teachers College, 1951; Director of Student Personnel, 1952-
- JAMES W. ROOKER, JR., B.M., M.M.**.....*Music*
B.M., Peabody College, 1950; M.M., University of Kentucky, 1951; Graduate Study, Juilliard School of Music, Summer 1952; Assistant Professor of Music, Carson-Newman College (Tenn.), 1951-'52; Music, Appalachian State Teachers College, 1952-
- PAUL N. CLEM, A.B., M.A.**.....*Education*
A.B., Bridgewater College, 1948; M.A., Michigan State College, 1950; Graduate Assistant, Michigan State College, 1951; Appalachian State Teachers College, 1952-
- WARREN G. CUTTS, JR., A.B., M.S.**.....*Education*
A.B., University of Georgia, 1943; M.S., Syracuse University, 1951; Ph.D., All resident requirements and course work completed; Supervisor, Veterans' Education, Griffin Vocational Schools (Ga.), Assistant Instructor, Syracuse University, 1949-1952; Education, Appalachian State Teachers College, 1952-
- PETER W. EVERETT, B.S., M.A.**.....*Physical Education*
B.S., University of Iowa, 1948; M.A., *ibid.*, 1949; Academic requirements completed for Ph.D., *ibid.*, 1952; Assistant Instructor, University of Iowa, 1949-1952; Critic and Instructor of Teaching, Appalachian High School, 1952-
- JOHN BOWEN HAMILTON, A.B., A.M., Ph.D.**.....*English*
A.B., Birmingham Southern College, 1936; A.M., University of North Carolina, 1948; Ph.D., *ibid.*, 1951; Assistant English Professor, Georgia Institute of Technology, 1950-'52; Professor of English, Appalachian State Teachers College, 1952-
- FRANCIS C. COOK, B.A., M.A.**.....*English*
B.A., University of Texas, 1932; M.A., *ibid.*, 1932; Graduate Study, University of North Carolina, 1939-'42; Head of English Department, Piedmont College, 1937-'39, 1945-'51; English, Appalachian State Teachers College, 1952-

LIBRARIANS

- WILLIAM L. EURY, A.B., B.S. in L.S., M.S. in L.S.**.....*Librarian*
A.B., Duke University, 1926; B.S., in Library Science, George Peabody College for Teachers, 1937; M.S. in Library Science, *ibid.*, 1951; Cataloguer, Appalachian State Teachers College, 1929; Librarian, *ibid.*, 1945-

DICK M. ALLEN, A.B., M.A., B.S. in L.S. *Associate Librarian*
A.B., Eastern Kentucky State Teachers College, 1942; Martin High School (Kentucky), 1946; M.A., George Peabody College for Teachers, 1948; B.S. in L.S., *ibid.*, 1949; Associate Librarian, Appalachian State Teachers College, 1949-

MRS. EMMA H. MOORE *Librarian*
Librarian, Appalachian Training School, 1915-'24; Librarian, Appalachian State Normal School, 1924-'29; Librarian, Appalachian State Teachers College, 1929-

ALLIE AUSTIN HODGIN, B.S., B.S. in L.S. *Reference Librarian*
B.S., Appalachian State Teachers College, 1934; B.S. in Library Science, George Peabody College for Teachers, 1940; Graduate Study in Library Science, Columbia University, Spring Session, 1946; Chief of Circulation, Appalachian State Teachers College, 1934-'45; Reference Librarian, *ibid.*, 1945-

MARY ALICE HUFF, A.B., B.S. in L.S. *Cataloguer*
A.B., Limestone College, 1938; B.S. in Library Science, George Peabody College for Teachers, 1940; Assistant Librarian, Mars Hill College, 1940-'41; Librarian, Shawsville High School (Virginia), 1941-'42; Cataloguer, Appalachian State Teachers College, 1942-

MRS. VERA C. TUNNEL *Periodicals Librarian*
Graduate, Appalachian State Normal School, 1926; Librarian, Appalachian High School, 1939-'41; Periodicals Librarian, Appalachian State Teachers College, 1943-

VISITING FACULTY, SUMMER 1953

GRACE E. STORM, B.A., M.A. *Education*
B.A., University of Chicago, 1920; M.A., *ibid.*, 1925; Assistant Professor of Primary Education, University of Chicago.

ELLISON M. SMITH, B.A., M.A., Ph.D. *Education*
B.A., University of South Carolina, 1923; M.A., *ibid.*, 1926; Ph.D., Peabody College, 1934; Director Teacher Education and Certification, South Carolina State Department of Education, Columbia, S. C.

MILDRED C. HERRING, B.A., B.A. in L.S. *Library Science*
B.A., East Carolina Teachers College, 1938; B.A. in Library Science, University of North Carolina, 1939; Librarian, Central High School, Greensboro, N. C.

W. AMOS ABRAMS, A.B., A.M., Ph.D. *Education*
A.B., Duke University, 1926; A.M., *ibid.*, 1927; Ph.D., Cornell University, 1932; Graduate Assistant in English, Duke University, 1926-'27; Head of English Department, Glen Alpine High School, 1927-'30; Instructor in English, Duke University Summer School at Lake Junaluska, 1928-'29; English, Appalachian State Teachers College, 1932-'45; Associate Editor, N.C.E.A. Journal.

RUTH ROBINSON, A.B., M.A. *Primary Education*
B.A., Emory and Henry College, 1929; M.A., George Peabody College, 1930; Teachers College, Columbia University, 1938-'39; Salisbury City Schools, 1930-'34; Critic and Primary Education, Appalachian State Teachers College, 1934-'40; Primary Supervisor, Bristol (Va.), City School, 1940-; Primary Education, Appalachian State Teachers College, Summer, 1945. Supervisor, Mecklenburg County Schools, 1950-

- MARY C. WILSON, A.B., M.A., Ph.D. *Education*
 A.B., La. Polytechnic Inst., 1924; M.A., George Peabody College, 1930; Ph.D., State University of Iowa, 1944; Western State Teachers College, Kalamazoo (Mich.), 1930-'39; Northwestern State College, Natchitoches (La.), 1946-'49; Supervisor, Lincoln Parish Schools, Ruston (La.), 1949-
- CHARLES C. TAYLOR, A.B., M.A., Ed.D. *Music*
 A.B., West Virginia Wesleyan, 1940; M.A., Teachers College, Columbia University, 1947; Ed.D., *ibid.*, 1950. Music, Clarksburg High School (W. Va.), 1940-'41 and 1946-'47; Assistant in Music Education, Teachers College, 1949-'50; Supervisor of Music, High Point City Schools, 1950-
- MARGARET CECILIA REHRING, B.A., B.S. in L.S., M.A. . . . *Library Science*
 B.A., University of Cincinnati, 1934; B.S. in L.S., University of Illinois, 1937; M.A., University of Cincinnati, 1937. Librarian, Ironwood Junior College, Ironwood, Michigan, 1937-'38; Assistant Librarian, Withrow High School, Cincinnati, Ohio, 1938-
- LILIAN L. STEVENS, B.S., M.A., D.Ed. *Education*
 B.S., Teachers College, Columbia University, 1924; M.A., *ibid.*, 1925; D.E. requirements completed New York University, degree to be conferred June, 1950; Elementary teacher in the Lincoln School and the Horace Mann School; Visiting faculty member, University of North Carolina; University of Florida; University of Georgia; Kent State University; Ohio State University; and Emory University.
- HARRY E. MCPHAIL, B.S., M.S., D.Ed. *Education*
 B.S., Kansas State Teachers College, 1934; M.S., *ibid.*, 1941; D.Ed., Oklahoma A. & M. College, 1950. Principal Pershing Elementary School, Tulsa, Oklahoma.
- J. W. MCCUTCHAN, B.A., M.A., Ph.D. *English*
 B.A., Davidson College, 1931; M.A., University of Virginia, 1937; Ph.D., *ibid.*, 1949; School of Oriental Studies, American University, Cairo, Egypt, 1940-'41; Professor of English and Chairman, Division of Language and Literature, Queens College.
- FRIEDA M. HELLER, B.S., B.S. in L.S., M.S. in L.S. *Library Science*
 B.S., University of Kentucky, 1926; B.S. in L.S., Columbia University, 1932; M.S. in L.S., *ibid.*, 1937; Field Worker and Organizer, North Carolina Library Commission, 1929-'32; Associate Professor and Librarian, Department of University Schools, Ohio State University, 1932-
- SALLY DIETRICH, B.S., M.A. *Music*
 B.S., New York University; M.A., Columbia University; Music, Columbia University and Horace Mann School, 1930-'43; Director of Vocal Music, South Side Junior-Senior High School, Rockville Center (N. Y.).
- JAMES GREEN, B.A., M.A. *Music*
 B.A., Southwest Texas State Teachers College; M.A., Teachers College, Columbia University; Music, Elementary and High Schools, Donna (Texas); Supervisor of Music, Austin (Texas); Music Consultant, Silver Burdett Company.
- JOYCE ANN JOHNSTON, B.S., M.A. *Speech*
 B.S., Georgia Teachers College, 1949; M.A., George Peabody College, 1950; Speech and English, West Branch High School (Mich.)

- EDNA DOLL, B.S., M.A. *Music*
B.S., New York University; M.A., Teachers College, Columbia University; Director of Rhythms and Dance, Clifford Scott High School, East Orange (N. J.).
- ROSAMONDE W. BOYD, B.A., M.A., Ph.D. *Social Studies*
B.A., University of South Carolina, 1933; M.A., *ibid.*, 1934; Ph.D., Duke University, 1945; Professor of Sociology, Converse College (S. C.).
- CHRISTINE FOSTER, B.A., M.A., D.Ed. *Physical Education*
B.A., University of Tennessee, 1932; M.A., Teachers College, 1934; D.Ed., *ibid.*, 1948; Professor of Physical Education, Florida State University, 1949-
- FRANCIS B. DEDMOND, A.B., M.A. *English*
A.B., Catawba College, 1940; M.A., Duke University, 1950; Course work completed for Ph.D., U.N.C.; Head, Department of English, Gardner-Webb College, 1952-
- AGNES B. BROWDER, B.A., B.S. in L.S., M.A. in L.S. *Library Science*
B.A., G.S.C.W., 1925; B.S. in L.S., Peabody College, 1935; M.A. in L.S., University of Michigan, 1944; Director of Public Service, University of Georgia Library, 1943-'47; Head, Department of Library Science, G.S.C.W., 1947-
- NELLIE HOPE ELLISON, B.S., M.S. *Business Education*
B.S., Concord College, 1948; M.S., University of Kentucky, 1949; Business Education, Concord College, 1949-'52; Business Education, Meredith College, 1952-
- HELEN A. McLAUCHLIN, A.B., M.A. *Education*
A.B., Teachers College, Columbia University; M.A., *ibid.*; Agnes Russell Center, Teachers College, Visiting Faculty University of Alabama Summer 1950; Assistant Professor of Education, New York State Teachers College, Potsdam, N. Y.; Principal, Fort Bragg School, 1952-
- GILBERT LESTER LYCAN, B.A., M.A., Ph.D. *Social Studies*
B.A., Berea College; M.A., Yale University; Ph.D., *ibid.*; Professor of Social Studies, Stetson University.
- BIRDIE H. HOLLOWAY, B.S.M., M.S.M. *Music*
B.S.M., M.S.M., Oberlin Conservatory, 1930; W. C. U. N. C., 1935-
- ARTHUR F. KLEIN, A.B., M.A., Ph.D. *Music*
A.B., Eastern Kentucky State College, 1940; M.A., Peabody College, 1946; Ph.D., *ibid.*, 1952; Music, Shelby County Schools, Tenn., 1946-'48; Music, City Public Schools, Nashville, Tenn., 1951-'53.
- HARRY ZALUMAS, B.S., M.A. *Education*
B.S., Georgia Teachers College, 1936; M.A., Appalachian State Teachers College, 1951; Principal, Elementary School, Lenox, Ga., 1951-
- ROBERT C. MOON, A.B., M.A., Ph.D. *Education*
A.B., University of Florida, 1931; M.A., *ibid.*, 1933; Ph.D., George Peabody College, 1940; Teacher Training, Florida State University, 1940-
- JOHN G. NAVARRA, A.B., M.A., *Ed.D. *Education*
A.B., Columbia University, 1949; M.A., Teachers College, 1950; Ed.D., *ibid.*, *to be conferred May, 1953; Springfield Public Schools, 1950-52.

- ERNEST GIBBES PATTON, B.A., M.A.....*Biology*
B.A., Yale University, 1948; M.A., University of North Carolina, 1950; Graduate Assistant, University of North Carolina, 1950; Graduate Assistant, Duke University, 1952.
- I. W. CARPENTER, JR., B.S., M.S., Ph.D.....*Biology*
B.S., Purdue University, 1948; M.S., *ibid.*, 1950; Ph.D., *ibid.*, 1952; Teaching Assistant, Purdue University, 1948-'51.
- W. E. HOPKINS, B.S., M.S., Ph.D.....*Social Studies*
B.S., University of Virginia, 1935; M.S., Virginia Polytechnic Institute, 1939; Ph.D., Louisiana State University, 1951; Head, Department of Sociology and Economics, Wesleyan College (Ga.), 1951-
- W. J. CASTINE, A.B., M.S.....*Education*
A.B., Wofford College, 1927; M.S., University of South Carolina, 1938; Advanced work at Peabody College and Teachers College; Principal, Taylor Elementary School (S. C.), 1950-
- MAYME A. RICKER, B.F.A.....*Education*
Diploma, Pratt Institute, 1927; B.F.A., University of Georgia, 1937; Graduate Study, University of Mexico and Alfred University; Art Supervisor, Olean (N. Y.), 1927-'52; Berry Schools (Ga.), 1952-
- THOMAS B. ALEXANDER, B.A., M.A., Ph.D.....*Social Studies*
B.A., Vanderbilt University, 1939; M.A., *ibid.*, 1940; Ph.D., *ibid.*, 1947; Chairman, Division of Social Sciences, Georgia Teachers College.
- W. RICHARD HARGROVE, B.S., M.Ed.....*Education*
B.S., North Texas State College, 1950; M.Ed., *ibid.*, 1951; Academic requirements for D.Ed. completed, George Peabody College, 1952.
- LEOLA L. HARGROVE, B.M., M.A.....*Music*
B.M., Shorter College, 1951; M.A., George Peabody College, 1952; Public School Music, Clarksville City Schools (Tenn.), 1952.
- JAMES O. MILLER, A.B., M.A., D.Re.....*Physical Education*
A.B., University of North Carolina, 1947; M.A., *ibid.*, 1948; D.Re., Indiana University, 1953; Instructor, Pennsylvania State College, 1952.
- STEPHEN MEYER, JR., B.S., M.A., Ed.D.....*Business Education*
B.S., Long Island University, 1940; M.A., Teachers College, 1941; Ed.D., *ibid.*, 1952; Instructor, Alma College (Mich.), 1952.
- QUINN CONSTANTZ, B.S., M.Ed., Ed.D.....*Physical Education*
B.S., Culver-Stockton College, 1939; M.Ed., University of Missouri, 1946; Ed.D., *ibid.*, 1949; Department of Physical Education, University of Maryland.
- HELEN E. BICKLEY, A.B., B.S.L.S.....*Library Science*
A.B., Winthrop College, 1925; B.S.L.S., Peabody College, 1940; Librarian Instructor, Winthrop College, Summers 1940 and 1950; Librarian, Hanes High School, Winston-Salem (N. C.).

THE DEMONSTRATION SCHOOLS

CHAPELL WILSON, *Director*

HIGH SCHOOL

- HERBERT W. WEY, B.S., M.A., D.Ed. *Principal, Education*
 B.S., Indiana State Teachers College, 1937; M.S., *ibid.*, 1938; D.Ed., Indiana University, 1950; Teacher, Indiana Public Schools, 1937-'38; Critic and Instructor of Teaching, High School, Appalachian State Teachers College, 1938-'41; Principal, High School, 1941-
- MARTHA GREY HAWKINSON, A.B., B.S.S.A., M.A. *Business Education*
 A.B., Queens College, Charlotte, N. C., 1938; B.S.S.A., 1939, Queens College; Tryon High School, Gaston County, N. C., 1939-'42; Cherryville High School, Cherryville, N. C., 1942-'44; Critic and Instructor of Teaching, Appalachian High School, 1944-
- RUBY AKERS, B.A. *Critic, English*
 B.A., Baylor College, 1934; Graduate Assistant, A.S.T.C., 1951-'52; English, New Albany High School (Miss.).
- BETTY SUE LANCASTER, A.B., M.A. *French*
 A.B., Woman's College of the University of North Carolina, 1948; M.A., University of North Carolina, 1950; Williamston High School, 1948-'49; Appalachian High School, 1950-
- HERBERT C. TRIPP, B.S., M.A. *Critic, Mathematics*
 B.A., Heidelberg College, 1943; M.A., Ohio State University, 1946; Graduate Assistant, Ohio State University, 1943-'44; Mathematics and Science, South Ambert High School, Ohio, 1945-'46; Mathematics, Appalachian State Teachers College, 1944-
- MABEL BRISTER, A.B., M.A. *Critic, Library Science*
 A.B., Mississippi Woman's College, 1934; M.A., Appalachian State Teachers College, 1951; Taught in Mississippi Schools, 1934-'49; Critic, Teacher and Librarian, Appalachian High School, 1949-
- LEROY ROGERS, B.S., M.A. *Critic, Social Studies*
 B.S., Mississippi Southern College, 1935; M.A., *ibid.*, 1949, Social Studies, Forest High School, Jackson, Miss., 1940-'51; Social Studies, Appalachian High School, 1951-
- ROBERT W. LANCASTER, B.S., M.A. *Critic, Science*
 B.S., Wake Forest, 1948; M.A., Appalachian State Teachers College, 1951; Science, Bessemer City Schools, 1948-'50; Science, Appalachian High School, 1951-
- DOROTHY M. FLOYD, B.S. *Physical Education*
 B.S., Appalachian State Teachers College, 1951; Physical Education, Appalachian Elementary School, 1951-'52; Physical Education, Appalachian High School, 1952-

ELEMENTARY SCHOOL

- JOHN T. HOWELL, B.S., M.A., M.Ed. *Principal, Education*
 B.S., Appalachian State Teachers College, 1931; Graduate Student, Colorado State College of Education, Summer Quarter, 1931; M.A., Peabody College, 1938; M.Ed., *ibid.*, 1939; Instructor of Teaching, Elementary School, Appalachian State Teachers College, 1931; Principal, Elementary School, 1937-
- JANE ELIASON, B.S., M.A. *Critic, Primary Grades*
 B.S., Madison College; M.A., Peabody College; Primary Education, Ridgewood Public Schools (N. J.).
- ELLEN OLSON, B.S., M.A. *Critic, Primary Grades*
 B.S., Mississippi Southern College, 1942; M.A., *ibid.*, 1950; First and Second Grades, Demonstration School, Hattiesburg (Miss.), 1949-
- HUGHIE MAJORS, B.S., M.A. *Critic, Primary Grades*
 B.S., University of Georgia, 1946; M.A., New York University, 1952; Great Neck Public Schools (New York), 1951-
- EMMA BOWMAN, B.S., M.A. *Critic, Primary Grades*
 B.S., Ball State Teachers College, 1949; M.A., *ibid.*, 1951; Kindergarten, Elkhart City Schools (Ind.), 1949-
- MILDRED HODGES, B.S., M.S. *Critic, Grammar Grades*
 B.S., Texas State College for Women, 1939; M.S., *ibid.*, 1948; Denton Public Schools (Texas).
- WILLIAM E. BOWMAN, B.S., M.A. *Critic, Grammar Grades*
 B.S., Ball State Teachers College, 1949; M.A., *ibid.*, 1951; Fourth Grade, Elkhart City Schools (Ind.), 1949-
- IDELLA D. LOHMANN, B.S., M.A. *Critic, Grammar Grades*
 B.S., Oklahoma A. & M. College, 1932; M.A., *ibid.*, 1937; Fourth Grade Teacher, Tulsa Public Schools (Longfellow Elementary School), 1943-
- BERNICE RUTH CHASTAIN, A.B., M.A. *Librarian*
 A.B., University of Florida, 1940; M.A., University of Alabama, 1945; Primary Teacher, Tampa City Schools (Fla.), 1931-'35; Jacksonville City Schools (Fla.), 1935-'49; Librarian, Riverview Elementary School, Jacksonville (Fla.), 1949-

The Appalachian Summer School

The Appalachian State Teachers College is a state institution supported by North Carolina for the training of teachers. During the past few years it has enjoyed remarkable growth and development along all lines. It is now one of the largest teachers colleges of the South. The Summer Session has grown in size of student body, scope of work offered, and quality of work done. For the past several summers the total enrollment has been from two thousand to twenty-five hundred each summer. Here the summer school student has a fine opportunity to meet and to exchange ideas concerning school work with teachers from every section of North Carolina and from practically every Southern state. To provide the very best instruction for Appalachian students, the college secures outstanding people in their special fields for the Summer School faculty.

Location

Boone, the county seat of Watauga County, is located in the north-west corner of North Carolina. It is a thriving mountain town of two thousand inhabitants. It is almost on top of the Blue Ridge Mountains; the altitude of the college campus is 3,333 feet above sea level. Boone is 110 miles from Charlotte, 100 miles from Winston-Salem, 130 miles from Spartanburg, South Carolina, 200 miles from Columbia, South Carolina, 250 miles from Augusta, Ga., 320 miles from Atlanta, Georgia, 510 miles from Jacksonville, Florida, 505 miles from Tallahassee, Florida, and 593 miles from Meridian, Mississippi. Hard surfaced highways lead into Boone from all sections of the country.

Boone is the point of intersection for United States Highways 221, 321, and 421. It is only four miles from the great Park-to-Park Highway, which connects the Shenandoah and Great Smoky Mountain National Parks.

Equipment

The College campus consists of thirty-five acres, most of which is improved and landscaped. The college owns two farms of about five hundred acres each which furnish most of the vegetables and farm products used in the college cafeteria.

The College has a total of twenty-one buildings; seventeen of brick, one of native stone, and three of wood construction. Also, it owns several homes and cottages for rent to students and college workers.

Faculty

The college faculty includes approximately seventy people; the faculties of the training schools, twenty people. The training of these faculties represents the best colleges and universities in the country.

Visiting Faculty

A number of outstanding educators from some of the most progressive public school systems of the country have been engaged for the Summer Session of 1953. Some nationally known teachers from other colleges and universities will teach courses in the Appalachian Summer School. The teachers of North Carolina and the South have an unusual opportunity to study with some of the nation's leaders in education. The reader is asked to turn back and look over the list of the visiting faculty.

Special Features of the Summer School Climate

The Appalachian State Summer School at Boone is the highest summer school east of the Rocky Mountains. Boone's altitude of 3,333 feet gives it an elevation of more than 1,200 feet higher than that of any other summer school in the South. This assures a summer climate unequalled elsewhere. The days are refreshing and pleasant; the nights require blankets for comfort. Electric fans are not needed; it has been known to frost in July and August. Here is the coolest place south of New England and east of the Rockies. Rich Mountain, nearby, rises 1,150 feet higher than the campus. Here the trees are the greenest; the sky the bluest; the water the clearest. Snow birds build among the galax and rhododendron. The teacher who wishes to combine a summer of study with one of recreation in the cool mountain breezes will find opportunity here offered at no other place in the South.

Sight-Seeing

Prior to the war, Appalachian planned sight-seeing trips to many points of interest in the mountains. This part of the summer school program was suspended for the duration.

During each term of the 1953 summer session trips will be planned for the students to many points in the mountains. Special permission has been secured from the Superintendent of Blue Ridge Parkway to operate the college busses over this scenic highway during the summer session.

Recreation

Opportunities for recreation at Boone are unequalled elsewhere. On top of the Blue Ridge Mountains, 3,333 feet high, the climate is cool enough for one to work or play and enjoy it. Blowing Rock is only eight miles from Boone; Grandfather Mountain is only fifteen miles away. This section is unsurpassed in Eastern America for scenic beauty and grandeur. One can play tennis, swim, wade, ride horseback, hike, mountain climb, go on the planned tours, fish for trout and bass, or just sit back in the cool shade and rest.

Summer School Chorus

The summer school chorus will be made up of students interested in good choral music. It will be under the direction of a member of the music faculty. Several programs by this group will be given in the college auditorium during the summer session. Persons interested in joining the chorus for either first, second, or both summer terms should see, early after registration, the Chairman of the Music Department, Mr. Gordon A. Nash, in the new music building.

Summer School Band

The summer school band under the direction of Mr. Gordon A. Nash gives several outdoor concerts during each term of the summer session. It has made a fine reputation for itself during the past several summers. Students interested in joining the summer band are urged to do so. The Music Department has many instruments, but it is desirable for the students to bring their own instruments.

Fine Arts Building

The new music building, which cost approximately \$500,000, is now completed and in use. This building provides facilities for music education equal to any in the South. It has an auditorium with seats for 600, a stage which will accommodate an orchestra of 100, a band room, an orchestra room, a choral room, 19 piano practice rooms, classrooms, studios and offices.

Library

The college has a very fine library building, fireproof and modern in every respect. It will accommodate four hundred students at one time. It now has more than 50,000 volumes. The stack rooms have shelf capacity for 60,000 volumes.

Institute of Opera

The Institute of Opera of the University of North Carolina Extension Division will conduct a summer session program on the campus, June 10 to August 27, 1953. The purpose is to train singers, to rehearse operas to be presented in English next season by the Grass Roots Opera Division of the Institute, and to conduct public performances of the Operas in rehearsal. Complimentary matinees of either operas or concerts will be given periodically to students, faculty, and employees of the College.

Non-credit courses in Voice, Opera Dramatics, Individual Coaching, Music Appreciation, etc., will be offered. Dr. Norman Cordon, formerly of the Metropolitan Opera Association, is Director of the Institute of Opera. The faculty will consist of: Mr. Walter Golde, of New York, as Voice Teacher; Mr. Robert C. Bird, Director of Grass Roots Opera, Raleigh, as Instructor in Opera Dramatics and as Director of Opera Rehearsals; and by an Accompanist-Coach to be selected. Professor Gordon Nash, Head of the Department of Music, A.S.T.C.; Professor Kai Jurgensen, Department of Dramatic Art, U.N.C.; and Mr. Thomas Nichols, Assistant in the Department of Music, U.N.C., will serve in an advisory capacity.

Students attending the 1953 summer program will be enrolled in the Institute through the University Extension Division. However they will be expected to pay the regular charges at the College for room and meals, and A.S.T.C. student fees for registration, library, entertainment, laundry, etc. Members of the Institute of Opera will be integrated, as nearly as possible, with the A.S.T.C. Summer School student body and subject to the same regulations.

For further information concerning the Institute of Opera, please write to Mr. Russell M. Grumman, Director, University Extension Division, Chapel Hill, N. C.

Bureau of Appointment

A placement bureau is maintained by the college to assist students in obtaining positions and to aid superintendents, principals, and other public school officials to secure the people best qualified to fill their vacancies. No charge is made for this service. Appalachian has had more calls for teachers than it has been able to supply.

Living Accommodations

The college dormitories will accommodate approximately seven hundred students. All students rooming in the dormitories will be

expected to take their meals in the cafeteria. Desirable living and boarding arrangements for several hundred students can be had in the town. A representative of the college will be on duty during the opening days of each term, to assist students who may desire board and room in private homes. Students who room in private homes may, if they desire to do so, take their meals in the college cafeteria.

New Dormitories

Two new dormitories, which cost more than \$1,000,000, one for men and one for women, were completed in the fall of 1952 and are now in use. These dormitories will be used in the 1953 summer session. They are ultra modern in every respect and will house 550 students.

Admission to the Summer Session

Students desiring to work for degree credit are required to submit an application for admission and a record of a physical examination. Blanks for this purpose may be obtained from the registrar. Persons who have attended other colleges will have their own transcripts sent from the colleges attended. The college will get high school records for those who have not attended a college.

Credits Obtainable

The amount of college credit which may be earned by an average student during each summer term is nine quarter (six semester) hours. However, students with a superior rating may earn as much as twelve quarter (eight semester) hours during the summer terms, provided the application is properly approved at the time of registration. Appalachian credits are listed in quarter hours.

The Training School and Student Teaching

The function of the training school is to train the college student in the science and art of teaching and to demonstrate the latest approved methods of teaching. The training schools are the center of the professional work of the college. They provide opportunity for observation in all grades by college classes and by individual students. The Summer School offers organized classes in observation. The high school will be open from June 15 to August 14. The elementary school will be open from June 22 to August 14.

Educational Ideals

The educational ideal of the college is that every child in North Carolina and the South shall be taught by one of vigorous health, of high mentality, of thorough scholarship, of high professional spirit, of developed skill in the art of teaching, of pleasing personality, and of sterling character.

To this purpose and ideal the college will devote its entire resources and energy in a whole-hearted manner.

Cafeteria

Appalachian is fortunate in having an excellent A Grade cafeteria, modern in every respect. Two large counters make it possible for the students to be served speedily and satisfactorily. The meals are planned by a trained dietitian and are prepared and served by a corps of capable assistants. Every effort is made to give maximum satisfaction at minimum cost. All students living in the dormitories will be expected to take their meals in the cafeteria, and all students living in college apartments or cottages will have the privilege of doing so. A minimum charge of \$40.00 will be made for each term, and meal tickets will be issued to cover this amount. Additional tickets may be purchased.

Expenses

The college endeavors to hold the student's expenses to the minimum. The necessary school expenses are held within the reach of that great group of people who want the best in education and training but not with extravagance and the reckless spending of money. The actual college expenses are as follows:

Registration fee for term of six weeks	\$ 7.50	Diploma Fees:	
Tuition (2 courses)	15.00	Bachelor's degree	\$ 5.00
Tuition (3 courses)	18.00	Master's degree	10.00
Entertainment fee	1.00	Student Teaching	30.00
Library fee for term of six weeks	3.00	Rooms	16.00 to 36.00
Materials fee	1.00	Laundry	6.00
Minimum charge for meals in cafeteria	40.00	Applied Music	7.50 or 15.00
Cap and Gown Fees:		*National Teacher Examination ..	7.00
Bachelor's degree	3.00		
Master's degree	7.00		

Extra fees are charged for some courses. See course descriptions beginning on page 37.

*Required of persons graduating from Appalachian and optional with others.

The above fees for rooms include lights, hot and cold running water. Each room is furnished with plain but substantial furniture.

After registration is completed, a charge of fifty cents will be made for a change in a student's course of study.

A late registration fee not to exceed \$5.00 will be charged a student registering after the first day of each term.

Students must furnish their own bed linens, blankets, pillows, towels, and necessary toilet articles. Students are required to keep their rooms in a clean and sanitary way.

Refunds and Withdrawals

A student who, for any reason, withdraws from the college before the end of any term will have a proportionate part of the amount paid for board refunded. If a student withdraws before registration for the term is closed, one-half of the fees for room and tuition will also be refunded. Refunds will be calculated from the date of the official withdrawal from the college.

Room Reservations

Persons desiring a room in any dormitory should send \$3.00 with their requests for reservation. Rooms are assigned in the order in which the room reservation fees are received in the Business Office, and in each case a second choice should be given when applying for a room. The higher rates for rooms are for those on the front and corners of the dormitories. The reservation fee is deducted from the room rent when the student registers for the term for which reservation was made. Rooms will not be held after second day of registration. In no case will this reservation fee be refunded unless the student notifies the college at least one week before the opening of the term for which the reservation was made.

Laundry

The college operates its own laundry and dry cleaning plant for the benefit of those students living in the dormitories. It is not run for profit but rather in an effort to serve the students more adequately. Since the rates are so low, it is necessary to have an assured income with which to bear expenses. Therefore, a minimum charge of \$6.00 per term is made to all students living in the dormitories.

Types of Work Offered

The work in the summer session is similar to that of the regular year. All work offered counts either toward a Bachelor's degree in this institution and other institutions in the country, or the Master of Arts degree in Education. However, special effort is made to provide courses to meet the needs of the teachers over the South. Special provision is made for:

1. Those students working toward a Bachelor's degree
2. Those who are meeting the requirements for the teacher's certificates in other states
3. Those who wish to renew their certificates
4. Those who want to raise their certificates
5. Those who desire to improve their technique of teaching
6. Those who wish to do graduate work in education leading to the Master's degree.

The work offered here counts for credit toward certificates for the following:

1. Primary Teachers
2. Grammar Grade Teachers
3. High School Teachers
4. School Librarians
5. Elementary School Principals
6. High School Principals
7. Supervisors
8. Superintendents
9. School Counselors
10. School Musicians

Special courses are offered for those teachers who already hold college degrees.

BOOKS AND SUPPLIES

Books, tools, equipment and supplies will be obtainable at the college bookstore at established prices.

SPECIAL SHORT SUMMER TERMS

Appalachian has arranged for special short terms of summer school to accommodate those teachers who feel that they cannot attend for a full six-week summer term. A maximum for four quarter hours may be earned each two-week term.

Dates

First Two-week Term	July 6-17
Second Two-week Term	July 21-August 1
Audio-Visual Education Workshop	July 21-August 1
First Elementary Education Workshop	July 21-August 1
Librarian's Workshop	July 21-August 1
Third Two-week Term	August 3-14
Second Elementary Education Workshop	August 3-14
Student Teaching Workshop	August 3-14
Music Education Workshop	August 3-15
Health Education Workshop	August 17-27

EXPENSES. A registration fee of \$7.50, tuition fee of \$2.00 per hour credit for the courses taken for undergraduate credit, materials and supplies fee \$3.00. A registration fee of \$12.00, tuition fee of \$2.50 per hour credit for courses taken for graduate credit. Materials and supplies fee—\$3.00. Room rent in college dormitories, \$5.00 per week. Board college cafeteria (estimated) \$7.50 per week.

The following courses will be offered as listed below:

EDUCATION 444, <i>Observation, Primary Grades</i>	One hour
July 6-17; July 21-August 1; August 3-14.	MRS. WILSON 10:30
EDUCATION 445, <i>Observation, Elementary Grades</i>	One hour
July 6-17; July 21-August 1; August 3-14.	MRS. WILSON 9:00
*EDUCATION 462, <i>Science in Kindergarten and Primary Grades</i>	One hour
A course planned to help teachers understand the concepts which children derive from the experience of daily living.	
July 6-17; July 21-August 1.	MR. NAVARRA 9:00
*EDUCATION 463, <i>Science in the Elementary Grades</i>	Two hours
A course in science for elementary school workers.	
July 6-17; July 21-August 1.	MR. NAVARRA 10:30-12:30
EDUCATION 436, <i>Observation, High School</i>	One hour
July 6-17; July 21-August 1.	MR. HORTON 10:30
BIOLOGY 207, <i>Nature Study</i>	One hour
July 6-17; July 21-August 1.	MR. CARPENTER 8:00
*SOCIAL STUDIES 470, <i>Current Events</i>	One hour
This course is organized for the teacher who is not a specialist in current affairs. It will emphasize how to evaluate news.	
July 6-17.	MR. WHITENER 8:00
*EDUCATION 490, <i>Educational Psychology</i>	One hour
July 6-17.	MR. SMITH 9:00
*EDUCATION 491, <i>The Elementary Curriculum</i>	Two hours
July 6-17.	MR. SMITH 10:30-12:30

*Courses which carry either Undergraduate or Graduate Credit.

*EDUCATION 450, *School Public Relations—Long Range Planning* One hour
 July 21-August 1. MR. ABRAMS 8:00

*EDUCATION 451, *School Public Relations—The Intensive Campaign* One hour
 July 21-August 1. MR. ABRAMS 9:00

*ENGLISH 420, *Interpretation and Appreciation of Poetry* One hour
 July 21-August 1. MR. ABRAMS 10:30

*EDUCATION 493, *Student Teaching Workshop* Three hours
 A course planned for supervisors of student teaching either in college training schools or in off-campus centers.
 August 3-14. MR. MOON AND STAFF 8:00-12:30

*EDUCATION 487, *Music Education Workshop* Three hours
 An intensive course in modern methods of music education for superintendents, principals, supervisors, and music teachers. The course is sponsored jointly by Silver Burdett Company, publishers of *New Music Horizons*, and the Appalachian State Teachers College.
 August 3-15. MUSIC STAFF 8:00-12:30

LIBRARY SCIENCE 510, *Librarian's Workshop* Three hours
 This course is for trained librarians to help them develop plans and techniques to make the school library more usable and to contribute a greater part in the educational program in the school.
 July 21-August 1. MRS. MELTON 8:00-11:00

EDUCATION 536, *Audio-Visual Workshop* Three hours
 An intensive course in the use of audio-visual for principals, classroom teachers and those who are responsible for the audio-visual program, materials and equipment in school.
 July 21-August 1. MR. SHAFFER AND STAFF 8:00-11:30

EDUCATION 537a, *Elementary Education Workshop* Three hours
 An intensive course in elementary educational materials and methods in the fields of language arts, reading and art.
 July 21-August 1. MR. CASTINE 8:00-11:30
 MISS DAWSON 8:00-11:30
 MISS RICKER 8:00-11:30

EDUCATION 537b, *Elementary Education Workshop* Three hours
 An intensive course in elementary education, materials and methods in the fields of arithmetic, science, music and rhythms.
 August 3-14. MR. CASTINE 8:00-11:30

*Courses which carry either Undergraduate or Graduate Credit. (The 500 courses carry only Graduate Credit. The remainder of the courses carry only Undergraduate Credit.)

THE GRADUATE SCHOOL

The Graduate Council

D. J. WHITENER, B.A., M.A., Ph.D.	<i>Head, Dept. of Social Studies</i>
H. R. EGGERS, B.A., M.A.	<i>Registrar</i>
CHAPELL WILSON, B.A., M.A.	<i>Head, Dept. of Education</i>
HERBERT W. WEY, B.S., M.S., D.Ed.	<i>Director-Teacher Training</i>
F. RAY DERRICK, B.S., M.S.	<i>Head, Dept. of Biology</i>

The Graduate Faculty

MILDRED A. DAWSON, B.A., M.A., Ed.E.	<i>Education</i>
HARRY E. McPHAIL, B.S., M.S., D.Ed.	<i>Education</i>
LEE J. REYNOLDS, B.S., M.A., D.Ed.	<i>Education</i>
ELLISON M. SMITH, B.A., M.A., Ph.D.	<i>Education</i>
HERBERT W. WEY, B.S., M.A., D.Ed.	<i>Education</i>
PAUL N. CLEM, A.B., M.A.	<i>Education</i>
ROBERT C. MOON, B.A., M.A., Ph.D.	<i>Education</i>
MARY C. WILSON, A.B., M.A., Ph.D.	<i>Education</i>
MAX R. RAINES, B.A., M.S., Ph.D.	<i>Education</i>
JOHN R. SHAFER, B.S., M.A., Ed.D.	<i>Education</i>
GRACE E. STORM, B.A., M.A.	<i>Education</i>
W. AMOS ABRAMS, B.A., M.A., Ph.D.	<i>Education</i>
J. R. MELTON, B.A., M.A., Ph.D.	<i>Education</i>
JOHN G. NAVARRA, A.B., M.A.	<i>Education</i>
WARREN G. CUTTS, JR., A.B., M.S.	<i>Education</i>
W. J. CASTINE, A.B., M.S.	<i>Education</i>
MAYME A. RICKER, B.F.A.	<i>Education</i>
WILEY SMITH, A.B., M.A., Ph.D.	<i>Psychology</i>
F. RAY DERRICK, B.S., M.S.	<i>Biology</i>
ARNOLD VAN PELT, B.A., M.S., Ph.D.	<i>Biology</i>
ERNEST GIBBES PATTON, B.A., M.A.	<i>Biology</i>
I. W. CARPENTER, JR., B.S., M.S., Ph.D.	<i>Biology</i>
GRAYDON P. EGGERS, B.A., A.M., Ph.D.	<i>English</i>
J. W. McCUTCHAN, B.A., M.A., Ph.D.	<i>English</i>
JOHN BOWEN HAMILTON, A.B., A.M., Ph.D.	<i>English</i>
D. J. WHITENER, B.A., M.A., Ph.D.	<i>Social Studies</i>
GILBERT LESTER LYCAN, B.A., M.A., Ph.D.	<i>Social Studies</i>
JULIAN YODER, B.S., M.A., Ph.D.	<i>Social Studies</i>

ROSAMONDE W. BOYD, B.A., M.A., Ph.D.....	<i>Social Studies</i>
W. E. HOPKINS, B.S., M.S., Ph.D.....	<i>Social Studies</i>
THOMAS B. ALEXANDER, B.A., M.A., Ph.D.....	<i>Social Studies</i>
ILA MAE TAYLOR, B.A., B.S. in L.S., M.S. in L.S.....	<i>Library Science</i>
FRIEDA M. HELLER, B.S., B.S. in L.S., M.S. in L.S.....	<i>Library Science</i>
ELOISE CAMP MELTON, B.A., M.A.....	<i>Library Science</i>
AGNES B. BROWDER, B.A., B.S.L.S., M.A.L.S.....	<i>Library Science</i>
MARGARET REHRING, B.A., B.S. in L.S., M.A.....	<i>Library Science</i>
J. T. C. WRIGHT, B.A., M.A., Ph.D.....	<i>Mathematics</i>
A. G. MONTGOMERY, B.A., M.A.....	<i>Mathematics</i>
CHARLES C. TAYLOR, A.B., M.A., D.Ed.....	<i>Music</i>
GORDON A. NASH, B.A., M.A.....	<i>Music</i>
NICHOLAS G. ERNESTON, B.M., M.M., M.Ed.....	<i>Music</i>
BIRDIE H. HOLLOWAY, B.S.M., M.S.M.....	<i>Music</i>
ARTHUR F. KLEIN, A.B., M.A., Ph.D.....	<i>Music</i>
SALLY DIETRICH, B.S., M.A.....	<i>Music</i>
JAMES GREEN, B.A., M.A.....	<i>Music</i>
EDNA DOLL, B.S., M.A.....	<i>Music</i>
WILLIAM G. SPENCER, B.M.Ed., M.A.....	<i>Music</i>
PETER W. EVERETT, B.S., M.A., Ph.D.....	<i>Physical Education</i>
JAMES O. MILLER, A.B., M.A., D.Re.....	<i>Physical Education</i>
CHRISTINE FOSTER, B.A., M.A., D.Ed.....	<i>Physical Education</i>
QUINN CONSTANTZ, B.S., M.Ed., Ed.D.....	<i>Physical Education</i>

GRADUATE DIVISION

History

Graduate study leading to the Master's degree was first offered in the Appalachian State Teachers College during the summer quarter of 1942. During that summer fifty-one students enrolled in the graduate division. Each succeeding summer has seen an increased enrollment over the preceding summer. The work offered during the summer quarters 1942-'47 was on a cooperative basis with the University of North Carolina, with that institution giving full credit toward the Master's degree. Beginning with the summer quarter of 1948, the Appalachian State Teachers College has accepted a limited number of qualified students as candidates for the Master of Arts degree in Education, the degree to be granted by this institution. The college was approved as a graduate school by the American Association of Colleges for Teacher Education, February 26, 1949.

Aim of the Graduate Division

The sole aim of the graduate division is to add to the competency of teachers and other educational workers. The entire graduate program will be made as functional as possible in order to carry out this aim. Each course offered must be justified in terms of the contribution which it may make toward a realization of the general aim of the program and the specific objectives of the individual student.

OBJECTIVES

I. Functional Approach

- A. To prepare master teachers in specific high school fields of concentration and for the elementary schools by:
 - 1. Broadening understanding of teaching field of study and relationships with allied fields.
 - 2. Deepening scholarship in teaching field.
 - 3. Gaining familiarity with sources of information in teaching field.
 - 4. Surveying history of and studying critically recent research in teaching and allied fields.
 - 5. Broadening and deepening the professional education of classroom teachers.

- B. To prepare school administrators and supervisors through:
 - 1. Comprehensive knowledge of the forces underlying public education in the past and present, and competence in applying the knowledge to foresee future developments.
 - 2. Intensive study of educational problems as they relate to administration or supervision of schools.
 - 3. Development of competence in applying results of research to the solution of educational problems.
 - 4. Mastery of knowledge and skills involved in administrative or supervisory activities.

II. Scientific Approach

- A. To cultivate in students and teachers the scientific approach to educational problems through:
 - 1. Clear, incisive thought and definition.
 - 2. Mastery of background information.
 - 3. Accumulation of significant data.
 - 4. Controlled experimentation.
 - 5. Exact statistical treatment of data.
 - 6. Application of logic to interpretation of results of experiments.
 - 7. Cautious conclusions and inferences.
- B. To promote mastery of tools for scientific study and reports of problems.
 - 1. Data gathering devices such as surveys and experimentation.
 - 2. Methods for validating sources and procedures.
 - 3. Statistical treatment.
 - 4. Reporting results.
- C. To foster educational progress through scientific study of current educational problems.
 - 1. Improvement of public school organization, administration, curriculum, methods, and services in local communities and in broader areas.
 - 2. Improvement of teacher education in general and at Appalachian State Teachers College in particular.

Graduate Work in Appalachian

The graduate division of the Appalachian State Teachers College is organized for the purpose of providing facilities for advanced study leading to the Master of Arts degree in Education. The work is offered during both terms of the summer session and the three quar-

ters of the regular session. A maximum of nine quarter hours may be earned in a six-week summer term and fifteen quarter hours in a quarter in the regular session.

Admission to the Graduate Division

A baccalaureate degree from an institution accredited by the Southern Association of Colleges and Secondary Schools and affiliated associations or by the American Association of Colleges for Teacher Education is the first requirement.

Students from colleges not accredited by the associations named above will be admitted provisionally for one term. Their standing will depend upon evaluation of their previous college work and upon their work at the graduate level in Appalachian State Teachers College.

Students holding baccalaureate degrees from colleges other than Appalachian State Teachers College must have transcripts of their credits on file with the Director of Graduate Study at the time of matriculation.

Admission to Candidacy for the Master's Degree

Admission to graduate study does not carry with it admission to candidacy for the Master's degree. Admission to candidacy for the degree is made only after one quarter of graduate study in this institution. Admission to candidacy for the degree, Master of Arts in Education, is contingent further upon the recommendation of the student's advisory committee and the approval of the Graduate Council. Before being accepted finally as a candidate for the degree, a student will be expected to have:

1. Given evidence of personal and professional fitness to become a candidate for a professional degree in Education.
2. Attained a satisfactory level of competency through pre-service or in-service teaching experience.
3. Demonstrated ability to do satisfactory and creditable work at the graduate level.

Before filing an Application for Admission to Candidacy, students will be required to take certain general qualifying examinations. These examinations may be oral or written or both. Advisers may arrange with the Director of Graduate Study for the administration of any such special qualifying examinations.

Each student shall file with the Director of Graduate Study an Application for Admission to Candidacy immediately after he has completed fifteen quarter hours of graduate credit at Appalachian State Teachers College. Blanks for this purpose may be obtained at the office of the Director of Graduate Study.

REGISTRATION

Graduate students register on the regular registration days at the beginning of each quarter and summer term. Registration dates are shown in the calendar. Initial registration is contingent upon the receipt and approval of transcripts of all work completed in other institutions. Transcripts of undergraduate and of graduate work done elsewhere should be sent to the office of the Director of Graduate Study well in advance of initial registration.

Program of Course Work

The degree of Master of Arts in Education may be conferred upon a student, who, having been accepted as a candidate for the degree, completes with high credit the program of work which accompanied his Application for Admission to Candidacy. This program shall include a minimum of forty-five quarter hours of advanced work, inclusive of course work and individual problems, so planned as to meet with the approval of the student's advisory committee and the Graduate Council. In addition to thirty-nine quarter hours of regular course work, the student shall write a thesis in either his minor or his major field of interest for six quarter hours' credit. The thesis should show, among other characteristics:

- (a) Ability of the candidate to work independently on an approved problem;
- (b) A reasonably wide familiarity with the literature of the field of specialization;
- (c) A practical working knowledge of research methods;
- (d) Conclusions by supporting data.

The student must present his thesis at least three weeks before the degree is to be conferred. The thesis must be approved by the major and minor professors and by the Director of Graduate Study, and must conform to the regulations approved by the Graduate Council for writing thesis. Four typewritten copies of the thesis, the original and first three carbons, must be filed in the college library together with costs for having them bound, at least one week before the degree is conferred.

In the writing of the thesis, Campbell's *Form Book for Thesis Writing* (latest edition) is the approved guide for form. With the approval of the Director of Graduate Studies and the thesis committee, the form may be varied to meet the requirements of publishers if the manuscript is to be printed.

Four copies of the approval sheet must be prepared by the student. One copy is bound with each copy of the thesis.

Four copies of an abstract of the thesis of not more than two type-written pages, giving the problem, the procedure, and the results must be filed with the thesis after the abstract has been approved by the chairman of the thesis committee.

Waiver of Thesis Requirement

Upon the recommendation of his Advisory Committee and approval of the Graduate Council, the thesis requirement may be waived, provided the student completes forty-two weeks in residence and a minimum of fifty-four quarter hours of credit.

Prerequisites

Students who intend to become candidates for the degree of Master of Arts in Education are required to present a minimum of twenty-seven quarter hours (18 semester hours) of undergraduate credit in Education and related courses. Graduate work in both education and academic courses presupposes certain undergraduate course prerequisites or an equivalent background acquired through experience.

Major and Minor Requirements

All students who expect to become candidates for the Master's degree will major in Education or Library Science. They may select their minors from Biology, English, Library Science, Mathematics, Music, Social Science or Physical Education. A major will consist of twenty-seven quarter hours; a minor, eighteen hours in one subject field.

Minimum Residence

A residence of at least one academic year or its equivalent in summer sessions is required. The summer school equivalent is a minimum of six terms of six weeks each.

Time Limit

All work, to be acceptable for credit toward the requirements for the Master's degree, must have been completed within a period of six years preceding the date on which the degree is conferred.

Transfer Credit

Under certain circumstances, a student who holds a Bachelor's degree from an approved college or university, and who has taken graduate work at some approved institution, may arrange to transfer as many as nine quarter hours of credit to be applied toward the requirements for the degree of Master of Arts in Education. This transfer credit, however, will not reduce the minimum residence requirement.

Course Grades and Credit

The college grading system—A, B, C, D, and Inc., is used to report the quality of credit. The forty-five quarter hours of graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than "B" grade and no credit shall be granted for a grade below a "C." Course work reported "Incomplete" must be completed within a year of the official ending of the course.

Teaching Experience

Candidates for the Master's degree must have a minimum of one year of successful teaching experience, or a minimum of four and one-half quarter hours of satisfactory student teaching experience.

Degrees Not Conferred in Absentia

Candidates for the degree of Master of Arts in Education are required to be present at the commencement exercises in the prescribed academic costume. Exceptions to the regulation shall be granted only upon approval of the Director of Graduate Study and the President of the College.

Assistantships

The Appalachian State Teachers College offers a number of Graduate Assistantships for the regular session and summer session. Stipends for Graduate Assistantships are based upon the work load. Half-time Graduate Assistants will devote 24 hours per week to laboratory instruction or other service to the College. Third-time and quarter-time assistants give proportionately less time to their assistantships. Assistants receive a quarterly stipend of \$300, \$200, \$133.33, and \$100, respectively, and are permitted to carry a quarterly academic load of nine, twelve, and fifteen quarter hours depending upon the classification of the assistantship.

Among the departments which assistants may work are: Biology, Education, English, Library Science, Mathematics, Music, Physical Education, and Social Studies.

Any person interested in an assistantship for the summer quarter should write the Director of Graduate Instruction for an application blank and return it properly filled out not later than May 1. Also, he should have sent to the Director of Graduate Study a complete transcript of his college work not later than May 1.

Expenses

It is the purpose of this institution to hold expenses to the minimum. The actual charges for six weeks in the graduate school are as follows:

Registration for term of six weeks	\$12.00
Tuition (2 courses)	18.00
Tuition (3 courses)	25.00
Entertainment Fee	1.00
Library Fee	3.00
Materials Fee	1.00
Minimum charge for meals in cafeteria	40.00
Rooms	16.00 to 36.00
Laundry (Dormitory students only)	6.00
Psychological Test	2.00
National Teacher Examination	7.00
(Required unless taken within past five years.)	

The Graduate Offering

Refunds and Withdrawals

A student who for any reason, withdraws from the college before the end of any term will have a proportionate part of the amount paid for board refunded. If a student withdraws before registration for the term is closed, one-half of the fees for room and tuition will also be refunded. Refunds will be calculated from the date of the official withdrawal from the college.

Courses which have been approved for graduate credit by the Committee on the Graduate Offering and the Graduate Council constitute the graduating offering. Descriptions of these courses will be found in the departmental offerings in this catalogue.

Courses open only to graduate students are numbered 500 and above. Candidates for the degree of Master of Arts in Education are required to present at least thirty quarter hours of credit in graduate courses numbered 500 and above. The remaining fifteen quarter hours may, with the approval of the Graduate Council, be selected from the senior-graduate courses numbered 400 and above.

Fields of Preparation

The work leading to the Master of Arts degree in Education is designed to prepare teachers for the following types of positions:

Superintendent
Principal
County Supervisor
Supervisor of Student Teaching
School Librarian
Secondary School Teacher
Elementary School Teacher
School Counselor
School Musician

The following tentative program is recommended for each type of position:

For Superintendents

Education 500—Methods of Research in Education	3
Education 501—School Administration	3
Education 504—The Supervision of Instruction	3
Education 505—The Curriculum	3
Education 510—Extra-Curricular Activities	3
Education 520—School Finance	3
Education 498—Principles of Guidance	3
*Education—Electives	6
Academic—Minor	18

Prerequisites: High scholastic average in undergraduate work, hold a North Carolina "A" certificate or its equivalent from another state, and a minimum of three years' successful teaching experience.

For Principals

Education 500—Methods of Research in Education	3
Education 502—Organization and Administration of Secondary Education	3
Education 503—Organization and Administration of Elementary Education	3
Education 504—The Supervision of Instruction	3
Education 505—The Curriculum	3
Education 498—Principles of Guidance	3
*Education—Electives	9
Academic—Minor	18

For County Supervisors

Education 500—Methods of Research in Education	3
Education 504—The Supervision of Instruction	3
Education 505—The Curriculum	3
Education 511—Investigations in Teaching Reading	3
Education 478—Correlating Teaching with the Library	3
Education 519—County School Supervision	6
Education—Electives	6
Academic—Minor	18

For Supervisors of Student Teaching

Education 500—Methods of Research in Education	3
Education 478—Correlating Teaching with the Library	3
Education 507—Child Growth and Development	3
Education 509—Use and Interpretation of Educational Tests	3
Education 518—Supervising Student Teaching	6
Education—Electives	9
Academic—Minor	18

For School Librarians

Prerequisite: 27 Quarter Hours Library Science

Education 500—Methods of Research in Education	3
Education 505—The Curriculum	3
Education 531—Audio-Visual Education	3
Education 507—Child Growth and Development	3
Education 511—Investigations in Reading	3
Education 498—Guidance	3
Education—Electives	9
Academic—Minor (Library Science)	18

For Secondary School Teachers

Education 500—Methods of Research in Education	3
Education 505—The Curriculum	3
Education 509—Use and Interpretation of Educational Tests	3
Education 478—Correlating Teaching with the Library	3
Education 510—Extra-Curricular Activities	3
Education 498—Principles of Guidance	3
Education—Electives	9
Academic—Minor	18

For Elementary School Teachers

Education 500—Methods of Research in Education	3
Education 511—Investigations in Teaching Reading	3
Education 505—The Curriculum	3
Education 478—Correlating Teaching with the Library	3
Education 509—Use and Interpretation of Educational Tests	3
Education 507—Child Growth and Development	3
Education—Electives	9
*Academic—Minor	18

For School Counselors

Prerequisites: High scholastic average in undergraduate work, hold or qualified for "A" teacher certificate; at least three years of successful teaching experience, a time equivalent of at least one year of occupational experience in one or more wage earning jobs other than teaching or counseling.

Education 500—Methods of Research in Education	3
Education 498—Principles of Guidance	3
Education 509—Interpretation of Tests and Measurements	3
Education 521—Analysis of the Individual	3

*The academic minor for Elementary teachers may include work from one or as many as four fields of study.

Education 522—Occupational and Educational Information	3
Education 524—Tools and Techniques of Guidance	3
Education 525—Organization and Administration of Guidance Services	3
Education 523—Supervised Practicum	6
Education 527—Principles of Therapeutic Counseling	3
Psychology 498—Applied Psychology	3
Education 530—Psychological and Diagnostic Testing	3
Electives: Education, Psychology, and Sociology	9

For Librarians

The Master of Arts Degree with a major in Library Science and a minor in Education. Prerequisite: A minimum of 27 hours in Library Science.

Library Science 412—Reference	3
Library Science 413—Library Materials and Equipment	3
Library Science 414—Advanced Book Selection	3
Library Science 415—Literature for Children and Young People	3
Library Science 501—Use of Materials with Pupils and Teachers	3
Library Science 502—School Library Problems	3
Library Science 504—Reading Interests and Guidance	3
Library Science—Electives	6
Education 500—Research	3
Education 505—Curriculum	3
Education 498—Guidance	3
Education 511—Investigations in Reading	3
Education—Electives	6

NOTE: The six hours, elective in Library Science may be taken from L.S. 416, 417, 503, 505, 506, 507, 508, and 509.

Music Teachers and Music Supervisors

The Master of Arts Degree with a major in Music and a minor in Education. Prerequisite: A certificate in Music or the equivalent.

Music 501—Music of the Baroque and Classical Periods	3
Music 503—Music of the Romantic Period	3
Music 504—Advanced Instrumental Conducting, or	
Music 506—Advanced Choral Conducting	3
Music 505—Music of the Twentieth Century	3
Music—Electives	15
Education 500—Research	3
Education 505—The Curriculum	3
Education 535—Seminar in Music Education	3
Education 532—The Organization and Supervision of School Music	3
Education—Electives	6

Graduate Advisors

Persons working toward the Master of Arts Degree should confer with the advisor designated for his particular subject and have his courses and their sequence approved before registering.

Biology	Mr. F. Ray Derrick
Counseling	Mr. Max Raines
English	Mr. G. P. Eggers
Library Science	Miss Ila M. Taylor
Mathematics	Mr. J. T. C. Wright
Music	Mr. Gordon Nash
Social Studies	Mr. D. J. Whitener
Physical Education	Mr. H. W. Wey

DEPARTMENTS OF INSTRUCTION

DIVISION OF APPLIED ARTS

Art

ART 201, *Fundamentals of Art*

Two hours

The principles of art structure in drawing, design, lettering, composition, and color presented in various mediums. A different art project that is practical and can be used in the class room is presented each day. *Fee \$3.00.* *Both Terms* MISS SMITH 3:00

ART 202, *Drawing for Primary Grades*

Two hours

Still life, perspective, figure drawing, poster making, mural painting, design, and color used in visual and graphic education in primary grades. Prerequisite, Art 201. *Fee \$3.00.* *First Term* MISS SMITH 2:00

ART 203, *Industrial Art for Primary Grades*

Two hours

Designing and making simple forms; clay modeling, papier-mâché, paper and card board construction, wood construction and finishing, manipulation of tools suitable for the primary grades. Prerequisite, Art 201. *Fee \$3.00.* *Second Term* MISS SMITH 11:30

ART 206, *Drawing for Grammar Grades*

Two hours

Integration of art with other subjects; figure drawing, still life, perspective, color theory and harmony, simple shading and mass arrangements, mural painting. Prerequisite, Art 201. *Free \$3.00.* *First Term* MISS SMITH 9:00

ART 207, *Industrial Art for Grammar Grades*

Two hours

Structural designing, modeling, simple carving, papier-mâché, simple projects in wood construction, toys, and the use of tools suitable for grammar grades. Prerequisite, Art 201. *Fee \$3.00.* *Second Term* MISS SMITH 9:00

ART 308, *Art Appreciation*

Three hours

Principal forms of art developed by various cultures; architecture, sculpture, painting, commercial art. *Fee \$3.00.* *First Term* MISS SMITH 8:00

ART 409, *Lettering and Posters*

Two hours

Various styles of lettering and spacing, manuscript writing, principles of design applied to printed pages, poster composition in pen and ink, brush, crayon, fresco, cut paper, finger paint, and poster paint. *Fee \$3.00.* *Second Term* MISS SMITH 8:00

Business Education

The courses in Business Education are planned to meet the needs of three groups of students: *first*, those students who wish to earn credits on a major in Business Education; *second*, those who are preparing themselves for secretarial and other office positions; *third*, those who are planning to enter the civil service as typists, stenographers, and office workers for the Federal Government.

Appalachian is well equipped with faculty and machines to offer courses in training to meet the critical needs of today for typists, stenographers, office workers, and Business Education teachers.

BUSINESS EDUCATION 101-102-103, *Typewriting* Six hours

Mechanism, operation, and care of the typewriter; establishment of habits of rhythmic and accurate writing as the basis of speed; correct technique of arrangement, tabulation, centering, carbon copies, etc.; use of standard stroking tests and accuracy and speed tests; attainment of a speed of 40 words a minute, net, with not more than five errors. *Fee \$6.00 per term. Ten periods a week.*

First Term MISS ELLISON 10:30-12:30

Second Term MR. MEYER 10:30-12:30

BUSINESS EDUCATION 204, 205, 206, *Shorthand* Nine hours

Mastery of the principles of Gregg Shorthand; reading shorthand plates and practice in writing sentences and letters; development of ease in dictation and transcription; accuracy emphasized as the basis of speed; ability to take dictation at the rate of 80 words a minute and to transcribe easily and accurately. *Twelve Periods a week.*

First Term MISS ELLISON 8:00-10:00

Second Term MR. MEYER 8:00-10:00

BUSINESS EDUCATION 316, 317, 318, *Advanced Shorthand and Advanced*

Typewriting and Secretarial Practice Nine hours

Advanced Shorthand: Development of shorthand and vocabulary with a review of the principles and special attention to phrasing and to the rapid execution of brief forms. Dictation and transcription of varied types of material. Ability to take dictation at the rate of 100 words a minute and to transcribe accurately and attractively. *Advanced Typewriting and Secretarial Practice:* Advanced work in typewriting, dictation and transcription and the work of the secretary.

First Term through Second MR. THOMPSON 8:00-10:00

BUSINESS EDUCATION 220, *Business Arithmetic* Three hours

Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and payrolls; postage; freight and express rates; property insurance; taxation.

Second Term MR. THOMPSON 10:30

BUSINESS EDUCATION 225, *Introduction to Business* Three hours
Study of the fundamental business principles underlying our business economy. An orientation course in the organization and management of various types of business organizations.

Second Term MR. THOMPSON 2:00

BUSINESS EDUCATION 422, *Advanced Accounting* Three hours
The accounting process. Advanced phases of partnership accounting; interpretation of accounting reports and incomplete records; miscellaneous accounting problems, including some cost accounting.

First Term MR. THOMPSON 10:30

BUSINESS EDUCATION 424, *Office Practice* Four hours
At least sixty hours of actual work in an office, as a means of becoming familiar with routines, filing, and general office environment.

First Term MR. THOMPSON Hour arranged

Home Economics

Nursery School operated. *First Term* MISS BROCK 9:00-12:00
HOME ECONOMICS 151, *Child Development* Three hours
Lecture, discussion, and observation of children in nursery school. Discussion and study of mental, physical, emotional, and social development of the child. No prerequisite.

First Term MISS ADAMS 8:00

HOME ECONOMICS 333, *Community Nutrition* Three hours
Relation of nutrition to health and physical fitness; elementary principles of nutrition and construction of adequate diet for different age levels; feeding problems in nutritional diseases; individual need for energy, proteins, minerals, and vitamins.

First Term MISS ADAMS 3:00

Second Term MISS RHYNE 3:00

HOME ECONOMICS 311, *Consumer Problems* Three hours
Administrative and financial problems of the family; meeting wants and needs of the family by wise use of resources to secure food, housing, clothing, household furnishings, automobiles, health, education, and recreation; budgets in theory and practice as altered by changing business conditions.

Second Term MISS RHYNE 2:00

HOME ECONOMICS 319, *Furniture Appreciation* Three hours
Furniture designs in general usage, appropriate use of different styles, and effect on selection of accessories for different backgrounds. Prerequisite, Art 213, 214 for Home Economics majors; no prerequisites for non-Home Economics majors.

First Term MISS ADAMS 9:00

Second Term MISS RHYNE 9:00

The following courses in Institutional Management leading toward certification in the American Dietetics Association should be of special interest to Home Economics graduates and others who may plan meals for large groups.

HOME ECONOMICS 343, *Quantity Cookery* Four hours

Practical problems in food preparation and service for large groups, use of institutional equipment, calculation of food cost, and use of standard formulae. The cafeteria kitchen serves as the laboratory. Prerequisite: Home Economics 104, 105, 106, 208, or equivalent, General Chemistry, and Organic Chemistry. (Not offered 1953).

HOME ECONOMICS 344, *Organization and Administration:*

Personnel Management

Three hours

Specific problems in organization and management as applied to feeding and housing large groups. (Not offered 1953).

HOME ECONOMICS 345, *Organization and Administration:*

Food Purchasing for Institutions

Three hours

Production, distribution, grading, storage, and purchase of foods in large quantities. (Not offered 1953).

HOME ECONOMICS 346, *Supervised Institutional Experiences* Two hours

Directed experiences in managerial problems of institution feeding. Prerequisite, Home Economics 343, 344, 345, a high quality-point rating, a definite interest in institution feeding and approval by instructor. (Not offered 1953).

HOME ECONOMICS 441, *Home Management House Residence* Five hours

One quarter's residence in the home management house; practical experience in utilization of income, time, labor, and talent; resident students responsible for varied experiences in family and social relationships. Prerequisite, Junior or Senior standing.

First Term MISS BROCK

HOME ECONOMICS 442, *Problems in Administration of*

Home Management House

One hour

Parallel to Home Economics 441, Junior and Senior standing. *Note:* The cost of residence in the Home Management house is \$50.00 per term, plus \$1.00 breakage fee. Room assignments will be made by the house director. *Note:* The above listed charge takes the place of the board and room charge for the quarter in which the student is in the Home Management house.

First Term MISS BROCK

Handwriting

WRITING 301, *Writing*

Two hours

The purpose of this course is to train the teacher not only to improve his own writing but also to be able to teach children in the elementary

grades how to write. The course consists of a study of standard forms, blackboard work, and methods of teaching. It is planned especially for those whose penmanship is poor.

Both Terms MRS. DAVIS 10:30

WRITING 403, *Manuscript Writing*

Two hours

This course consists of the study of the standard form with sufficient exercises to develop the technique of manuscript writing; also a discussion of its relation to the language arts in the primary grade.

Both Terms MRS. DAVIS 11:30

Library Science

The Appalachian State Teachers College is now offering seventy-two quarter hours work in Library Science. These courses are designed to fit the needs of four groups of persons: first, teachers who desire to do twenty-seven quarter hours and qualify for the Librarian's certificate; second, persons who desire to complete forty-five quarter hours to qualify for full-time library work; third, persons working for the Master's degree who desire to elect Library Science for the graduate major or minor for a graduate certificate; fourth, teachers who desire to obtain the library science credit which will enable them to serve as teacher-librarians in the elementary schools.

Appalachian is excellently equipped to offer courses in library science. The instructors in these courses are well trained by experience as classroom teachers, specialized training in the best library schools, and as librarians in our public schools. The courses are made as practical as possible for the library science students. The classrooms for the courses are in the college library building. The college library, the high school library, and the elementary school library are used as laboratories for the courses.

The library school has been approved by the Southern Association of Colleges and Secondary Schools and is accredited for the training of librarians. It offers graduate work for a major or a minor towards the Master of Arts degree.

The two following courses are offered in co-operation with the State Department of Education to enable elementary teachers without formal library preparation to secure the basic training in library science for aiding them in organizing and administering the elementary school library.

LIBRARY SCIENCE 307, *Technical Processes*

Four and one-half hours

Organization and administration of the elementary school library; its activities and functions; the acquisitions; mechanical preparation; simple classification and cataloging; records and procedures for effective library service.

First Term MRS. MELTON 10:30-12:30

LIBRARY SCIENCE 308, *Library Materials* Four and one-half hours

Introduction to books and related materials available in the elementary school program; reading needs of children and young people; criteria for evaluation and selection; factors and aids in selection; guidance in the use of materials both for personal reading, reference and study.

First Term MRS. MELTON 8:00-10:00

LIBRARY SCIENCE 200a, b, c, *Field Work* One Hour Each

Experience in library work to acquaint students with library organization and procedures; practice periods arranged in the school libraries; conferences. *Fee \$1.00 each.*

Both Terms MISS CHASTAIN Hours arranged

LIBRARY SCIENCE 301, *Function and Use of the Library* Three hours

Objectives and functions of the Library in relation to the school, teachers, and pupils; organizations and agencies; activities; publicity.

First Term MISS HERRING 11:30

Second Term MISS REHRING 10:30

LIBRARY SCIENCE 302, *Reference and Bibliography* Three hours

Evaluation and use of reference books, including dictionaries, encyclopedias, yearbooks, atlases, and books on special subjects.

First Term MISS QUERY 2:00

LIBRARY SCIENCE 304, *Book Selection (General)* Three hours

Designed to give a background of general reading and to develop standards for the selection of books; includes the use of general book selection aid, reviewing of books, and the compilation of selected lists. (Not offered 1953).

LIBRARY SCIENCE 315, *Books and Materials for School Libraries*

Three hours

Reading needs and interests of children and young people; criteria for evaluation and selection, factors and aids in selection, and guidance in the use of materials. *Fee \$1.00.*

First Term MISS HERRING 10:30

Second Term MISS HELLER 8:00

LIBRARY SCIENCE 316, *Books and Materials for High School Libraries*

Three hours

Reading and examination of books and materials in relation to their usefulness in meeting individual needs and interests and the demands of the high school curriculum. *Fee \$1.00.*

Second Term MISS REHRING 9:00

LIBRARY SCIENCE 317, *Books and Materials for Elementary School Libraries*

Three hours

Reading and examination of books and materials in relation to their usefulness in meeting individual needs and interests and the demands of the elementary and junior high school curriculums. *Fee \$1.00.*

Second Term MISS TAYLOR 11:30

- LIBRARY SCIENCE 407, *Organization and Administration of the School Library*** Three hours
 Study of the organization and administration; methods and routines; planning and arrangement; equipment and supplies; acquisition and mechanical preparation of books; records and procedures for more effective service.
Both Terms First Term MISS BRISTER 2:00
Second Term MISS REHRING 2:00
- LIBRARY SCIENCE 408, *Organization and Administration of the School Library*** Three hours
 Continuation of Library Science 407.
Second Term MISS BRISTER 2:00
- LIBRARY SCIENCE 409, *Cataloging and Classification*** Three hours
 Study of the principles of cataloging and classification; practice in making catalog cards using the unit card and classifying by the Dewey Decimal system. *Fee \$1.00.*
First Term MISS BRISTER 8:00-10:00
- LIBRARY SCIENCE 410, *Cataloging and Classification*** Three hours
 Continuation of Library Science 409. In latter part of course, the preparation of an index in practice cards and organization of a manual for future use. *Fee \$1.00.*
Second Term MISS BRISTER 8:00-10:00
- LIBRARY SCIENCE 412, *Reference*** Three hours
 Enlargement upon reference materials and methods of Library Science 302, with emphasis upon specific materials in subject fields. *Fee fifty cents.*
Second Term MRS. BROWDER 2:00

Senior—Graduate Courses

- LIBRARY SCIENCE 413, *Library Material and Equipment*** Three hours
 Acquisition, preparation and care of supplementary materials; an enlargement on study of audio-visual materials, periodicals, pamphlets, pictures, maps, slides, filmstrips, etc. (Not offered 1953).
- LIBRARY SCIENCE 414, *Advanced Book Selection*** Three hours
 Continuation of Library Science 304; reading and evaluation of adult books.
Second Term MRS. BROWDER 11:30
- LIBRARY SCIENCE 415, *Literature for Children and Young People*** Three hours
 Background of literature for children and young people; developments and current trends; illustrators; enlargement on study of literature of various types. *Fee \$1.00.*
First Term MISS BICKLEY 10:30
- LIBRARY SCIENCE 416, *Devices for Interpreting Books to Readers*** Three hours
 A study of the various methods of presenting books to readers, including story-telling, the writing of annotations, oral and printed book reviewing, the book talk, using the radio and story recordings. Emphasis is placed upon training and practical experience in using these devices.
First Term MISS QUERY Arrange

LIBRARY SCIENCE 417, *Teaching the Use of Books and Libraries*

Three hours

The course will include a study of the problems to be considered in the instruction of students in the use of books and library tools and an examination of the content of various units for use at certain school levels. Practice will be given in preparation and presentation of lessons planned to integrate with possible class activities. (Not offered 1953).

Graduate CoursesLIBRARY SCIENCE 501, *Use of Materials with Pupils and Teachers*

Three hours

Materials and methods for more effective use of library resources in the school. Some attention to problems involved in instruction in library usage.

First Term MISS HELLER 11:30

LIBRARY SCIENCE 502, *School Library Problems*

Three hours

Study of problems in the organization and administration of library service in elementary and secondary schools.

First Term MISS HELLER 10:30

LIBRARY SCIENCE 503, *Administration and Supervision of School Library System*

Three hours

Designed for the experienced school librarian in preparation for supervisory positions in larger units of school library service. Involves a critical study and analysis of problems in organization and administration of city, county, and state school library systems. (Not offered 1953).

LIBRARY SCIENCE 504, *Reading Interest and Guidance*

Three hours

Implications of research in reading interests of children and young people. Methods and materials for guidance in their use.

First Term MISS HELLER 8:00

LIBRARY SCIENCE 505, *Advanced Reference*

Three hours

Special reference problems, methods and materials for the large school library.

First Term MISS BICKLEY 1:00

LIBRARY SCIENCE 506, *Problems in Cataloging and Classification*

Three hours

Special problems and methods in cataloging and classification. Includes problems involved in central cataloging units and handling collections of non-book materials. (Offered only on demand).

LIBRARY SCIENCE 507, *Reading for Adults*

Three hours

Characteristics and patterns of adult reading. Reading materials according to interest, needs, and abilities. (Not offered 1953).

LIBRARY SCIENCE 508, *History of Books and Libraries*

Three hours

Survey of the development of libraries and bookmaking from earliest time to the present.

Second Term MISS TAYLOR Arrange

LIBRARY SCIENCE 509, *The Library and the Community* Three hours

The place of the school library in the community and its relation to the agencies and resources of the community.

Second Term MRS. BROWDER Arrange

DEPARTMENT OF BIOLOGY AND CHEMISTRY

Biology

BIOLOGY 101, 102, 103, *General Biology* Nine hours

This is a foundation course for later study in botany, zoology, and psychology. Topics: Nature and scope of general biology, natural life, physiology, protoplasm, cell structures, cell nutrition, cell reproduction, cell behavior, origin, Lamarchism, evolution, Darwinism, mutation theory, Mendelism, etc. *Five recitation and four two-hour laboratory periods per week. Laboratory Fee \$3.00 per term.*

MR. PATTON, *Recitation* 2:00; *Laboratory* 10:30-12:30

BIOLOGY 204a, *Botany* Three hours each

A taxonomic, morphological, and physiological survey of the plant kingdom. *Fee \$3.00.*

Second Term MR. CARPENTER, *Lecture* 11:30; *Lab.* 2:00-4:00, M. W.

BIOLOGY 206, *General Bacteriology* Three hours

Morphology and classification of bacteria, yeasts, and molds; their effects on food and their relationship to man. Prerequisite, General Biology, and six quarter hours of General Chemistry. *Fee \$3.00.*

First Term MR. DERRICK, *Lecture* 9:00; *Lab.* 2:00-4:00 T. T.

BIOLOGY 221, *Embryology* Three hours

Germ cell maturation, the structural basis of heredity, fertilization, differentiation, organ history, prenatal nutrition and the elements of the physiology of reproduction are considered. Representative embryo sections are interpreted in the laboratory. *Laboratory Fee \$3.00.* (Not offered 1953).

Senior—Graduate Courses

BIOLOGY 410, *Ornithology* Three hours

Field identification, studies in migration, nesting habits, general behavior, economic relationships, and classification. *Fee \$1.00.*

First Term MR. LANCASTER 8:00

BIOLOGY 420, *Micro-technique* Three hours

Technical methods used in preparing materials for microscopic study, practical training in preparation of permanent slides of small organisms and tissues of higher organisms. Most work done in laboratory. *Laboratory fee \$3.00.* (Not offered 1953).

BIOLOGY 422, *Histology*

Three hours

Microscopic anatomy of the vertebrate body, including a study of the principal organs and tissues. *Fee \$3.00. Summer and winter quarters*
First Term MR. DERRICK, *Lecture* 10:30; *Lab.* 2:00-4:00 M. W.

BIOLOGY 423, *Heredity and Eugenics*

Three hours

A study of the basic principles of heredity and the application of these principles to the improvement of man. The relation of heredity and variation to evolution are considered.

Second Term MR. PATTON 8:00

BIOLOGY 424, *Vertebrate Embryology*

Three hours

A comparative study of the development of vertebrates, with special reference to the chick and pig. *Fee \$3.00. Summer quarter*

Second Term MR. VAN PELT, *Lecture* 10:30; *Lab.*, To be arranged

BIOLOGY 426, *Economic Biology*

Three hours

A course designed to give the student a background in the economic aspects of biology; the importance of plants and animals in industry, as the cause of disease, and as pests will be studied. *Laboratory fee \$2.00.*

Second Term MR. CARPENTER 9:00

Graduate Courses

BIOLOGY 500, *Plant Ecology*

Three hours

Units of vegetation and plant succession. Factors of the habitat; soils and climate. Taxonomy of local flora and preparation of herbarium material. Five hours of lecture, laboratory, and field work each week. *Laboratory fee \$3.00.*

First Term MR. PATTON *Recitation* 9:00; *Laboratory* 3:00-5:00 T, Th.

BIOLOGY 501, *Animal Ecology*

Three hours

A study of the ecological factors affecting animal life in the various groups of animals (with special reference to insects). Special attention given to the collection, identification, and recognition of local fauna. Five hours of lecture, laboratory, and field work each week. *Laboratory fee \$3.00*

Second Term MR. VAN PELT *Recitation* 9:00; *Laboratory* 2:00-4:00 M, W.

BIOLOGY 502, *Fresh Water Biology*

Three hours

A study of the physical, chemical and biological factors affecting productivity in lakes, ponds, streams. Largely a field course dealing with various approved methods of studying the fresh waters of North Carolina. Experience in hydrographic survey, morphometry, and physical measurements of turbidity, thermal relations, and dissolved colors. Designed to meet the needs of teachers of science, biologists, and sanitarians. *Laboratory fee \$3.00.* (Not offered 1953).

BIOLOGY 503, *Current Biological Literature* Three hours

An introduction to current biological bulletins and journals, together with unpublished literature from various experimental and research fields in biology. *Fee \$2.00.*

First Term MR. CARPENTER 11:30

BIOLOGY 504, *Bacteriology of Water, Milk, Food and Sewage* Three hours

Laboratory and field methods dealing with the sanitary aspects of foods and food handling; sources and kinds of bacteria in milk; water and sewage with their sanitary significance. Prerequisite, General Bacteriology. *Laboratory fee \$3.00.* (Not offered 1953).

BIOLOGY 505, *Taxonomy of Seed Plants* Three hours

A study of the gross and microscopic structures, reproduction, and development of the Spermatophytes is included, but greatest stress is laid upon the taxonomy of the group. Special emphasis is placed upon the classification and naming of the flowering plants. *Laboratory fee \$3.00.*

Second Term MR. CARPENTER *Lecture* 10:30; *Lab.* 2:00-4:00, T, Th.

BIOLOGY 506, *Advanced Physiology* Three hours

An advanced course in human physiology; the functions of the circulatory, digestive, respiratory, excretory, reproductive and nervous systems will be studied.

Second Term MR. VAN PELT *Lecture* 11:30; *Lab.*, To be arranged

BIOLOGY 507, *Biological Problems* Three hours

Graduate students with an approved subject of investigation, leading to the development of their Master's thesis, may register for this course. The work will be subject to their individual needs. (Not offered 1953).

BIOLOGY 508, *Seminar in Science* Three or six hours

The student will be held responsible for considerable initiative and resourcefulness. His reports to the seminar will be at stated intervals and show ability to read critically the literature, in selected fields of science, to determine the best approach to science problems, and to summarize his studies or results in a manner acceptable for publication. Considerable emphasis will be placed on problems related to the teaching of science.

First Term Staff to be arranged

BIOLOGY 525, *Entomology* (Formerly Biology 425) Three hours

A study of injurious and beneficial insects, their classification, life histories, distribution, and influence upon men. Methods of collecting and preserving insects are considered, and each student is required to prepare a representative collection. *Fee \$3.00.* *Summer quarter*

First Term MR. CARPENTER *Lecture* 10:30; *Lab.* 2:00-4:00, M, W.

Chemistry

CHEMISTRY 101, 102, 103, *General Chemistry* Nine hours

This course has for its aim the giving of a broad conception of the fundamental principles, laws, and theories of chemical action, thereby laying the foundation for further study in the subject. A detailed study is made of the elements, oxygen, hydrogen, nitrogen, halogens, carbons, and other compounds. *Five recitations and four two-hour laboratory periods per week. Laboratory fee \$4.50.*

MR. SMITH *Recitation 8:00; Laboratory 2:00-4:00*

CHEMISTRY 204, 205, 206, *Organic Chemistry* Nine hours

This is a basic course in Organic Chemistry. The course covers an intensive study of the aliphatic and aromatic compounds. *Five recitations and four two-hour laboratory periods per week.* Prerequisite, one year of General Chemistry. *Laboratory fee \$4.50.*

MR. SMITH *Recitation 9:00; Laboratory 10:30-12:30*

CHEMISTRY 307, *Qualitative Analysis* Three hours

Systematic separation of metals and non-metals from unknown solution; principles of compounds; solution and mass action. Prerequisite, General Chemistry. *Two laboratory and three recitation periods per week. Laboratory fee \$3.00.*

First Term MR. SMITH 2:00

CHEMISTRY 308, *Quantitative Analysis* Three hours

Theory and practice of quantitative analysis; gravimetric methods. *Second Term. Laboratory fee \$3.00.*

MR. SMITH *Recitation 2:00; Laboratory to be arranged*

CHEMISTRY 311, *Physiological Chemistry* Three hours

Chemistry of digestion and metabolism of carbohydrates, fats, and proteins; blood and urine chemistry. Prerequisite, Organic Chemistry. *Three recitation and two laboratory periods per week. Lab. fee \$3.00.*

Second Term MRS. HORNER *Recitation 9:00; Laboratory 10:30-12:30*

DEPARTMENT OF EDUCATION

EDUCATION 302, *Primary Social Studies* Three hours

Anniversaries of historic days, stories, and activities relating to early settlers and Indians, stories of Eskimos and primitive men, memory gems, songs, games, pictures, etc., and civic virtues.

Both Terms MISS McLAUCHLIN 11:30

EDUCATION 303, *Grammar Grade Social Studies* Three hours

Materials and methods; stories, pictures, books, maps, post cards, and projector used; work covers American and European countries.

First Term MISS WILSON 11:30

EDUCATION 316, *Principles of Education* Three hours

Analysis of current educational procedures to discover principles involved therein; their historic developments and realization in current practices. *First Term* MR. ZALUMAS 1:00

EDUCATION 318, *History and Organization of Education in North Carolina* Three hours

Academy movement, establishment of public schools, destruction and rebuilding after the Civil War, revival under Aycock, equalization, and the present organization and administrative set-up.

First Term MR. PRITCHETT 1:00

H EDUCATION 331-32-33, *The School* Nine hours

Attention will be given to the development of a sound, practical philosophy of education. Purposeful, directed observation will be utilized to enable the student to see in practice many of the factors being studied. The work is so planned that those preparing for elementary work will be in one group, those preparing for high school work in another group. Organization, Administration, and The Program of Instruction, Principles, Methods, Materials and Techniques will be studied. This course covers the full twelve-weeks period.

MR. BARDEN 2:00-4:00—H. S.

10:30-12:30—G. G.

H EDUCATION 401, *Primary Reading* Three hours

Principles and practices of a balanced reading program. A study of systematic and differentiated procedures based on recent research.

Both Terms MISS ROBINSON 1:00

EDUCATION 405, *Primary Arithmetic* Three hours

Ways and means of developing number ideas and associating number symbols; fundamental number facts; addition, subtraction, multiplication, and division with intergers; the decimal system; use of simple fractional parts of numbers.

Second Term MISS ROBINSON 2:00

EDUCATION 407, *Principles of High School Teaching* Three hours

Fundamental principles and methods of teaching and their application to the different subjects in the high school.

Second Term (To be Supplied) 9:00

EDUCATION 408, *Educational Measurements* Three hours

Investigation of traditional methods of testing and promoting children, scientific testing in school subjects; examination of some of the most widely used tests now published; typical intelligence tests and one group-intelligence test. *Materials fee* \$1.00.

First Term MR. ZALUMAS 2:00

EDUCATION 410, *School Management* Three hours

Problems faced by teachers in managing schools and teaching classes.

First Term MR. ZALUMAS 10:30

EDUCATION 413, *Teaching Grammar Grade Reading* Three hours

Present-day needs, newest materials, tests, etc.; instructing the child who has failed to make normal progress in reading. Only teachers with experience who desire a course in grammar grade reading should register.

Second Term MR. CUTTS 11:30

EDUCATION 414, *Student Teaching Elementary School* Five or ten hours

This course is planned for students preparing for a position in the primary or upper elementary grades. Working out objectives for grades, principles governing selection, organization and presentation of subject matter. The student teacher will be expected to develop a teaching technique of high order. This course covers the period of the summer session of the elementary demonstration school; June 20 to August 12, and enrollment is limited.

Elementary School Staff 9:00-12:30

EDUCATION 415, *Student Teaching Secondary School* Five or ten hours

A course planned for high school teachers: similar to Education 414 above. For summer session of high school, June 19 to August 18, enrollment is limited.

High School Faculty 9:00-12:30

EDUCATION 420, *Teaching High School Mathematics* Three hours

First Term MR. TRIPP 3:00

EDUCATION 421, *Materials and Methods in Music* Two hours

Problems to be presented and the methods of presentation in both elementary and high schools; the child voice, means of developing and preserving it; series of school music books; handling public performances. (Not offered 1953).

EDUCATION 423, *Teaching High School Science* Three hours

This course will include the place of biology, chemistry and physics in the present-day high school course of study; the value of the sciences to the student; a consideration of the science curriculum; and methods of presenting these sciences to the students.

First Term MR. LANCASTER 2:00

EDUCATION 424, *Teaching Social Studies* Three hours

See Department of Social Studies.

Both Terms MR. ROGERS 3:00

EDUCATION 425, *Teaching English* Three hours

See Department of Languages—English.

Second Term MISS AKERS 2:00

EDUCATION 426, *Teaching Modern Languages* Three hours

Basic principles of modern language instruction, the historical development of present methods of teaching modern languages, a survey of the present methods of teaching modern languages in the high school, and the standard text will be studied. *First Term* MRS. LANCASTER 3:00

EDUCATION 428, *Teaching Physical Education* Three hours

See Department of Health and Physical Education.

First Term MR. THOMAS 8:00

EDUCATION 429, *Materials and Methods of Instrumental Work* Two hours
(Not offered 1953).

EDUCATION 444, *Observation, Primary Grades* Two hours

For primary teachers only. *Both Terms* MRS. WILSON 10:30

EDUCATION 445, *Observation, Elementary Grades* Two hours

For grammar grade teachers only. *Both Terms* MRS. WILSON 9:00

EDUCATION 470, *Teaching Business Education* Three hours

Second Term MRS. HAWKINSON 8:00

Senior—Graduate Courses

To receive Graduate Credit for any Senior-Graduate or Graduate Course, the student must be qualified for Graduate work and properly registered as a Graduate Student.

EDUCATION 406, *Investigations in Teaching Arithmetic* Three hours

Investigations as to how children learn the fundamental processes, accuracy and speed as motives, denominate numbers and further use of fractions. *Both Terms* MR. HOWELL 9:00

EDUCATION 411, *Literature and the Child* Three hours

This course is an interpretation and critical study of literature suitable for children. *Both Terms* MISS STEVENS 9:00

EDUCATION 446, *Diagnostic and Remedial Teaching
in Grammar Grades*

Three hours

Causes of maladjustment, adapting instruction to individual differences, the nature and techniques of educational diagnosis, and diagnostic and remedial teaching of subjects in the grammar grades.

Both Terms MR. HOWELL 11:30

EDUCATION 453, *Problems in Elementary School Music* Three hours

This course covers the field of music teaching in the primary and grammar grades. Research and demonstrations of modern methods of teaching music to elementary school children.

First Term MR. TAYLOR 8:00

EDUCATION 478, *Correlating Teaching with the Library* Three hours

This course is planned to help the classroom teacher better to understand the function and use of the school library and how to make greater use of it in her teaching, and to help the teacher work out plans so that she may better correlate her teaching with the school library and thereby make her subject more interesting and her teaching more effective. (Not open to Library Science Majors). *First Term* MISS BICKLEY 9:00—G. G.

MISS HERRING 9:00—H. S.

Second Term MISS HELLER 9:00—G. G.

MISS HELLER 10:30—H. S.

EDUCATION 482, *Improving Primary Instruction* Three hours

This course is planned to help the primary teacher better to understand the child, to select, organize and present primary teaching materials.

Both Terms MISS STEVENS 1:00

EDUCATION 483, *Improving Elementary Instruction* Three hours

This course is planned for the elementary teacher to help her better to understand the elementary child, to help her to select, organize and present teaching materials, to evaluate and develop her own teaching effectiveness.

Both Terms MISS STEVENS 10:30

EDUCATION 491, *Teaching of Reading* Three hours

Discussion of current practices in the teaching of reading. Students will devise and construct materials for use in the primary and intermediate grades, review and evaluate leading basal and supplementary materials, and acquire an understanding of the functioning of a well-coordinated reading program. *Fee \$2.00.*

First Term MISS DAWSON 11:30

EDUCATION 492, *Diagnostic Reading* Three hours

Review of diagnostic instruments used in determining the causes of reading difficulties. Emphasis is placed primarily upon what the classroom teacher can do in diagnosing the casual relationship of factors relating to reading. Each student will gain facility in administration, scoring and interpretation of a battery of intelligence, personality and reading tests, in addition to completion of one diagnostic case study.

First Term MR. CUTTS 11:30

EDUCATION 493, *Workshop in Supervising Student Teachers* Three hours

This course is planned for those teachers who are now supervising student teachers, or who are preparing for this type of service either in training schools or in off-campus student-teaching centers.

Second Term, August 3-14 MR. MOON AND STAFF 8:00-12:30

EDUCATION 494, *Audio-Visual Education* Three hours
(Formerly Ed. 515.)

A study of curriculum enrichment through use of audio-visual materials; general principles underlying selection and use of materials for

instructional purposes; advantages, limitations, and practical uses of each major type of material; attention will be given to the history and philosophy of audio-visual education. Designed for teachers, administrators and directors of audio-visual materials. *Fee \$2.00.*

Both Terms MR. SHAFFER 11:30

EDUCATION 498a, *Principles of Guidance*

Three hours

This course is a survey of guidance philosophy, services and techniques as they apply at the elementary level.

Both Terms MR. REYNOLDS 2:00

EDUCATION 498b, *Principles of Guidance*

Three hours

This course serves as an introduction to the guidance philosophy services and techniques at the secondary level.

Both Terms MR. CLEM 3:00

Graduate Courses

EDUCATION 500, *Research in Education*

Three hours

Involves the study of types of research, the selection of problems, the collection and classification of data, organization, presentation and interpretation of materials. Required in first quarter for persons working for Master's degree.

First Term MR. REYNOLDS 8:00 and 10:30

Second Term MR. REYNOLDS 10:30 and 1:00

First Term MR. MELTON 1:00 and 2:00

EDUCATION 501, *Basic Principles and Techniques in Education*

Administration

Three hours

This course will include the basic principles involved in school administration and is designed particularly for teachers who wish to get a review of the fundamentals of the organization and administration of American public schools, and for students desiring to prepare later for general administrative positions. Attention will be given to the organization, administration, and financial support of public schools in federal, state, and local school districts; work of school boards; retirement and tenure; professional ethics; public relations; and relationships of the teacher in modern educational administration. (Prerequisite: Principal's certificate).

Second Term MR. MELTON 1:00

EDUCATION 502a, *Organization and Administration of*

Secondary Schools

Three hours

Present philosophies and objectives of secondary education; recent studies concerning secondary school administration; principles underlying sound secondary school administration; secondary school and community relationships; housing, curriculum organization and planning, schedule making, opening and closing school, and school publicity. (Prerequisite: Three year's teaching experience).

First Term MR. WEY 9:00 and 10:30

EDUCATION 502b, *Problems of the High School Principal* Three hours

Student council, parent teachers association, school trips and tours, health program, professional meetings, discipline, accounting for internal funds, assemblies, attendance, transportation, cafeterias, senior activities, library, custodian service, records and reports, and athletic programs. (Prerequisite: Three years' teaching experience).

Second Term MR. WEY 9:00 and 10:30

EDUCATION 503, *Elementary School Organization and Administration*

Three hours

The qualifications, duties and opportunities of the elementary school principal as an educational leader will be studied. Particular attention will be given to the practical organization of the staff, administration organization of the program, provisions for needs of individual children, library service, and health education. (Prerequisite: Three years' teaching experience).

Both Terms MR. MCPHAIL 1:00

EDUCATION 504, *Supervision of Instruction*

Three hours

The nature and function of supervision, recent trends in theory and practice, teacher participation in policy formation, the organization and planning of supervision, and the training and qualifications of the supervisor. (Prerequisite: Three years' teaching experience).

Both Terms MR. MCPHAIL 2:00

EDUCATION 505, *Curriculum Construction: General Principles*

Three hours

The general principles and techniques of curriculum construction on both elementary and secondary school levels comprise the major part of this course. Special attention will be focused upon recent trends in curriculum revision and organization in modern schools.

Both Terms MR. MELTON 9:00

EDUCATION 507, *Growth and Development of the School Child*

Three hours

A study of the changes in emotions, attitudes and interests which take place during the adolescent years. The underlying physiological changes are, of course, not neglected.

First Term MISS WILSON 1:00

Second Term (To be supplied) 1:00

EDUCATION 508, *Remedial Reading*

Three hours

Review of remedial techniques used in the treatment of reading problems. Presentation of materials and methods for remedial work at all levels. Each student will complete one case study and report on success of remedial methods used in his work. (Prerequisite: Education 492).

Second Term MR. CUTTS 2:00

EDUCATION 509, *Use and Interpretation of Educational Tests and Measurements*

Three hours

Study of the needs for objective measure of educational outcomes is first made. A thorough analysis of the principles of the construction of standard tests is made as well as a survey of the tests in one or more fields. *Materials fee \$2.00.*

Both Terms MR. SMITH 8:00

EDUCATION 510, *Extra-Curricular Activities*

Three hours

Extra-curricular activities which modern schools are expected to carry out as a part of their educational program. *First Term* MR. HORTON 2:00

EDUCATION 511, *Investigations in Reading*

Three hours

Recent investigations of reading abilities and their import; children's interests in reading; analysis of the content of readers now in use in schools and libraries; diagnostic and remedial work.

Both Terms MR. CUTTS 9:00

EDUCATION 512, *Mental Hygiene in Teaching*

Three hours

Application of mental hygiene principles to the everyday problems of the school—in the classroom, on the playground, in the relation of the teacher and children, teacher and administration, parent and teacher.

First Term MR. SMITH 2:00

EDUCATION 513a, *Teaching and Supervision of the Language Arts in the Primary Grades*

Three hours

Oral and written expression; reading and children's literature.

First Term MISS DAWSON 9:00

EDUCATION 513b, *Teaching and Supervision of the Language Arts in the Elementary Grades*

Three hours

Oral and written expression; reading and children's literature.

First Term MISS DAWSON 8:00

Second Term MISS STORM 8:00

EDUCATION 514, *The Psychology of Behavior Disorders*

Three hours

Factors of personality maladjustments, of delinquency, and of emotional instability; various methods of therapy to be followed in the treatment of the more typical behavior difficulties.

Second Term MR. SMITH 2:00

EDUCATION 518a, *Organization and Supervision of Student Teaching*

Three hours

Origin and development of student teaching, present status and trends, purposes and aims, value; functions of the laboratory schools; training and personality of the supervising teacher; organization, co-ordination, and supervision of the student teaching program; prerequisites of student teaching; selection and assignment of student teachers; and content of student teaching course.

First Term MR. HORTON 11:30

EDUCATION 518b, *Activities and Techniques of the**Supervision of Student Teaching*

Three hours

General techniques of a supervising teacher; demonstration teaching; observation; guiding student teachers in planning; orientation of student teachers; student teacher participation; criticizing the student; individual and group conferences; evaluations, and follow-up supervision.

Second Term MR. HORTON 11:30

EDUCATION 519, *County School Supervision*

Six hours

This course is planned for students preparing for positions as county supervisors.

First Term MISS ROBINSON 8:00-10:00

EDUCATION 520, *Public School Finance*

Three hours

A course dealing with the business administration of the school system. Includes topics bearing upon sources of revenue, school costs, school economics, bond issues, building, campaigns, budgetary procedure, financial accounting, indebtedness, and educational inequalities. (Prerequisite: Principal's certificate).

Second Term MR. MELTON 2:00

EDUCATION 521, *Analysis of the Individual*

Three hours

This course consists of an application of psychological principles and techniques to a systematic self-appraisal. It is designed to assist the teacher in analyzing his own personality structure as a means of developing a greater appreciation of the personalities of others. (Prerequisite: Psychology 498).

First Term MR. RAINES 1:00

EDUCATION 522, *Occupational and Educational Information*

Three hours

A study of occupational and educational literature and the techniques for using these materials in vocational counseling. Actual visits to nearby industrial plants are made. (Prerequisite: Education 498).

First Term MR. CLEM 11:30

EDUCATION 527, *Principles of Therapeutic Counseling*

Three hours

This course consists of a study of the techniques of interviewing through role-playing and through analysis of recorded interviews. (Prerequisites: Education 498, Psychology 498, Education 509, 521, 524, and 530).

Second Term MR. RAINES 2:00

EDUCATION 524, *Tools and Techniques of Guidance*

Three hours

The purpose of this course is to integrate psychological principles with the tools and techniques in the guidance area in the diagnosing of problems of adjustment. (Prerequisites: Education 498, Psychology 498).

First Term MR. RAINES 10:30

Second Term MR. RAINES 1:00

EDUCATION 525, *Organization and Administration of Guidance**Services*

Three hours

This course is primarily designed for those who desire to study the methods of introducing and establishing a school guidance program. (Prerequisite: Education 498).

Second Term MR. CLEM 11:30

EDUCATION 526, *Seminar in Guidance* Three hours

In this course each student will select some phase of guidance work according to his special interests, for research and study. (Prerequisites: Education 498, 500, 522, and 525).

Second Term STAFF Arrange

EDUCATION 523, *Practicum in Counseling* Six hours

Designed for counselor-trainees who have completed all other requirements for a degree in counseling and guidance. Actual practice in the application of counseling and guidance techniques under supervision of the instructor is given. This course is required for certification as a counselor in North Carolina.

Second Term STAFF Arrange

EDUCATION 530, *Psychological and Diagnostic Testing* Three hours

Survey of most frequently used intelligence, personality, aptitude, interest and diagnostic tests. The course is designed to give students interested in guidance and counseling experience in administering, scoring and interpreting psychological tests. (Prerequisite: Education 509). Fee \$3.00.

Second Term MR. SMITH 9:00

EDUCATION 531, *Practices in Audio-Visual Instruction* Three hours

Techniques of developing audio-visual materials for all areas and levels of public school education; classifying and cataloging of materials; mechanical lettering and poster techniques; dry mounting; bulletin board planning; planning and construction of opaque projection strips; air brushing; photography; principles and procedures in the production of film strips; motion picture production. Designed for classroom teachers and directors of audio-visual materials. No text required. Materials fee \$5.00.

Both Terms MR. SHAFFER 2:00

EDUCATION 532, *The Organization and Supervision of School Music*

Three hours

The organization and supervision of a music program throughout the public school system. The responsibilities of the supervisor in relation to the classroom teacher. Organizing and conducting clinics, festivals, and programs.

Second Term MR. WILSON 2:00

EDUCATION 533, *Independent Work in Music Education* Three hours

Provides an opportunity for the student to have individual directed study in the phase of music education in which he is most interested. A research course designed to meet the needs of the individual. (Prerequisite: Education 500. Recommended for non-thesis candidates.

First Term STAFF Arrange.

EDUCATION 534, *Trends in Primary Education* Three hours

The trends in modern primary education.

Second Term MISS STORM 10:30

EDUCATION 535, *Seminar in Music Education* Three
(Formerly Music 518.)

A review of the philosophy of education in this country with special reference to the place of music. The student will engage in a special study of some problem in music education in which he is most interested. Special emphasis will be placed upon the problems to be encountered in the field with suggestions for solution. Acceptable practices will be reviewed; school-community relationships discussed. *First Term* STAFF 11:30

EDUCATION 550, *Master of Arts Thesis* Six hours

For students registering for work on the thesis. The professor's name on the registration card will indicate under whose direction the work is to be done. *Both Terms*

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION 110, *Personal Health* Three hours

The application of personal hygiene as a means of improving living; development of an intelligent attitude toward modern problems of individual health. *Both Terms* MRS. HODGES 2:00

PHYSICAL EDUCATION 115, *Child Hygiene* Three hours

Mental, physical and emotional health will be studied.

First Term MRS. HODGES 1:00

PHYSICAL EDUCATION 123, *First Aid* Three hours

Taught by certified first aid instructors; satisfactory completion carries with it a Standard Certificate in First Aid from the American Red Cross.

First Term MR. WATKINS 2:00

Second Term (To be Supplied) 2:00

PHYSICAL EDUCATION 147, *Community and School Hygiene* Three hours

Principles of sanitation and their application to the spread and control of communicable diseases; hygiene and sanitation of the school plant; local, state, and national laws affecting sanitation.

Second Term MRS. HODGES 1:00

PHYSICAL EDUCATION 211, 212, *Human Anatomy and Physiology*

Three hours each

A continuing course covering two quarters in human anatomy and physiology. Prerequisite, Physical Education 110 and 147.

Both Terms MR. MILLER 11:30

PHYSICAL EDUCATION 220, *Physiology of Muscular Activity* Three hours

(Prerequisites: Physical Education 211 and 212).

First Term MR. THOMAS 2:00

PHYSICAL EDUCATION 314, *Kinesiology* Three hours

Mechanism of physical movements as applied to the anatomical structure of the human organism. *First Term* MISS FOSTER 8:00

PHYSICAL EDUCATION 216, *Principles and Organization of Physical Education* Three hours

Type and scope of the content of physical education, the time allotment in different grades, adaption to conditions, and the varying factors of the attitude of teachers and communities toward the subject.

Second Term MR. SMAWLEY 10:30

PHYSICAL EDUCATION 248, *Folk Rhythms* Two hours

American and English folk games, rhythms, and dances.

Both Terms MISS FLOYD 1:00

PHYSICAL EDUCATION 318, *Playground Supervision and Administration* Three hours

In addition to classroom work the student will spend one period per day on the playground of the demonstration schools under the supervision of the teacher. Prerequisite, junior ranking.

First Term MR. WATKINS 10:30

PHYSICAL EDUCATION 224, *Elementary Games and Rhythms* Two hours

Dramatic games, playground games, indoor games, singing games, simple folk dances, rhythms, and other activities suitable for the elementary school level. Teaching methods are stressed.

Both Terms MISS FLOYD 9:00

PHYSICAL EDUCATION 321, *Principles of Health Education* Three hours

An analysis of the basic principles of health education. A study of health problems and ways of determining health needs. Prerequisites, 110, 147, and 115.

Second Term MISS CLAY 11:30

PHYSICAL EDUCATION 353, *Supervision and Administration of Physical Education and Recreation* Three hours

Problems of the supervisor and administrator in the modern program of physical education and recreation, and suggested methods of solving these problems. Prerequisite, Junior standing.

Second Term MISS FOSTER 2:00

H PHYSICAL EDUCATION 413, *Health Education* Three hours

Methods and materials course for health education, correlation of health education with other school subjects, preparation of the teacher to promote a planned health program in the classroom and the school. Prerequisite, Physical Education 110 and 147.

Both Terms MISS MCCAIN 8:00

PHYSICAL EDUCATION 426a, *Swimming* One hour

This is the beginning course in the fundamentals of swimming, diving, and life saving. Women's Section, Tuesday and Thursday; Men's Section, Wednesday and Friday.

Both Terms MISS CLAY 3:00
Both Terms MR. EVERETT 3:00

PHYSICAL EDUCATION 426b, *Swimming* One hour

A continuation of Physical Education 426a. Women's Section, Tuesday and Thursday; Men's Section, Wednesday and Friday.

Both Terms MR. EVERETT and MISS CLAY 4:00

PHYSICAL EDUCATION 443, *Corrective Activities* Three hours

Activities especially designed and indicated for the treatment of remediable physical defects. Prerequisites, Physical Education 211, 212, and 314.

First Term MR. THOMAS 3:00

EDUCATION 428, *Teaching Physical Education* Three hours

This is a textbook course on the approved methods of teaching physical education in the elementary and high school. Prerequisite, Senior ranking.

First Term MISS THOMAS 8:00

Senior—Graduate Courses

PHYSICAL EDUCATION 452, *Introduction to Research in Physical Education, Health and Recreation* Three hours

The study of basic research techniques involving types of research, selection of problems, and their solution.

Both Terms MR. MILLER 2:00

PHYSICAL EDUCATION 456, *Planning the Recreation Program* Three hours

Lecture and discussion on basic philosophy, principles and practices, current trends, financing the program, method and procedure, leadership training, organization and administration, facilities, and equipment.

First Term MISS FOSTER 1:00

PHYSICAL EDUCATION 457, *Recreational Crafts* Two hours

A study of craftwork used in schools, camps, hospitals, recreation programs, etc., utilized primarily for leisure time activities. Laboratory experience in such crafts as basketry, wood carving, block printing, leather work, copper work, and aluminum etching. (Not offered 1953). *Fee \$5.00.*

PHYSICAL EDUCATION 462, *History of Physical Education* Three hours

A study of the history of physical education from the earliest records up to the present time.

First Term MISS FOSTER 9:00

- PHYSICAL EDUCATION 472, *Safety Education* Three hours
 A study of the safety procedure for the school, home, and place of business, as well as driver training theory.
Second Term MISS FOSTER 9:00

Graduate Courses

- PHYSICAL EDUCATION 501, *Problems in Physical Education, Health and Recreation* Three hours
 Solving and writing up the results of problems that students may have in physical education, health, or recreation. Must have a problem approved before registering. Prerequisite: Physical Education 452. (Not offered 1953).
- PHYSICAL EDUCATION 502, *Scientific Bases of Physical Education* Three hours
 Covers the background of physical education and the facts behind physical education, procedure in the past and for the present.
First Term MR. EVERETT 8:00
- PHYSICAL EDUCATION 503, *Curriculum Construction in Physical Education* Three hours
 Theory of, background and actual work in, constructing a workable program in physical education. *Second Term* MR. MILLER 3:00
- PHYSICAL EDUCATION 504, *Mechanical Analysis of Motor Skills in Physical Education* Three hours
 Covers elementary principles of physics, and a mechanical analysis of various skill movements in physical education.
Second Term MR. EVERETT 10:30
- PHYSICAL EDUCATION 505, *Philosophy of Physical Education, Health and Recreation* Three hours
 (Not offered 1953).
- PHYSICAL EDUCATION 506, *Psychology of Physical Education* Three hours
 Covers basic psychological principles applicable to teaching physical education and coaching athletics. (Not offered 1953).
- PHYSICAL EDUCATION 507a AND 507b, *Advanced Tests and Measurements in Health and Physical Education* Six hours
 Covers the tests available for classification, measurement, and grading of students in physical education. Classroom work and practical experience in the various tests. Prerequisite: P. E. 408. (507a—first term; 507b—second term).
Both Terms MR. EVERETT 9:00

PHYSICAL EDUCATION 515, *Supervision of Physical Education* Three hours

Recent trends in theory and practice of supervision, training and qualifications of the supervisor, and policy formation. (Not offered 1953).

PHYSICAL EDUCATION 516, *Administration of Athletics* Three hours

Organization of the Athletic program including discussion on schedules and contracts, equipment, insurance, medical attention, training, and officiating. *First Term* MR. MILLER 3:00

PHYSICAL EDUCATION 517, *Elementary School Physical Education*

Three hours

Organization and administration of a suitable program of activities at the elementary age. Discussion on the various activities, facilities, time limits, and personnel. *Second Term* MISS FOSTER 10:30

PHYSICAL EDUCATION 531, *Seminar in Health, Physical Education and Recreation*

Three hours

Lecture, discussion and readings on the topics of research, objectives, tests and measurements, history, anatomy and kinesiology, and mechanical analysis in the fields mentioned. (Not offered 1953).

PHYSICAL EDUCATION 532, *Seminar in Health, Physical Education and Recreation*

Three hours

Lecture, discussion and reading on the topics of biology, physiology, psychology, curriculum, recreation, and administration and supervision. (Not offered 1953).

DEPARTMENT OF SOCIAL STUDIES

History

HISTORY 104, *Survey of Civilization*

Three hours

First Term MR. DUGGINS 2:00

HISTORY 105, *Continuation of 104 to about 1850*

Three hours

First Term MR. DUGGINS 3:00

HISTORY 106, *Continuation of 105 to present*

Three hours

Second Term MR. KIRK 3:00

H HISTORY 201, *American History, 1492-1815*

Three hours

General Survey of colonial, revolutionary, federal and early national period. *First Term* MR. DUGGINS 9:00

HISTORY 202, *American History 1815-1880*

Three hours

Continuation of History 201. *Second Term* MR. KIRK 8:00

- HISTORY 203, *American History, 1880-1949* Three hours
Continuation of History 202. *Second Term* MR. HOWELL 2:00
- HISTORY 308, *Economic History* Three hours
Historical development of modern economic society and its institutions.
Second Term MR. KIRK 11:30
- HISTORY 410, *Ancient History* Three hours
Oriental, Egyptian, Greek, and Roman history to the decline of the empire in the west.
First Term MR. HOWELL 9:00
- HISTORY 412, *Medieval History* Three hours
Medieval history from the fifth century to 1500.
Second Term MR. HOWELL 9:00
- HISTORY 420, *Nineteenth Century Europe* Three hours
European civilization from 1815 to 1914.
First Term MR. HOWELL 8:00
- EDUCATION 424, *Teaching History in High School* Three hours
This course is designed for the student who is making history his major. It deals with problems and methods of teaching history in high school.
Both Terms MR. ROGERS 3:00

Senior—Graduate Courses

- GEOGRAPHY 406, *Geographical Influences in American History* Three hours
The drowned river valleys of the eastern coast, the fall line, the Appalachians and their water gaps, the Mississippi, the Ohio, the great plains, the Rockies, the great basin, and the Puget Sound. Prerequisite, Geography 101 or 301.
First Term MR. YODER 2:00
- HISTORY 409, *Recent United States History* Three hours
The United States since 1900, with emphasis on economic, social, humanitarian, cultural phases, and political development.
Both Terms MR. ALEXANDER 3:00
- HISTORY 413, *North Carolina History, 1663-1835* Three hours
Settlement and territorial expansion, development of political institutions, immigration, cultural attainment, the Revolution, adoption of a constitution, and economic and political development after the war.
First Term MR. WHITENER 1:00
- HISTORY 414, *North Carolina, 1835-1952* Three hours
Sectional controversies, internal improvements, slavery and the Civil War, reconstruction, and recent educational and industrial developments.
Second Term MR. WHITENER 1:00

SOCIAL STUDIES 453, *Current Economic Problems of the United States*

(Formerly Social Studies 510.)

Three hours

An analysis of the fundamental problems in American society. As far as practicable, problems of North Carolina and the South will be emphasized. (Not offered 1953).

HISTORY 421, *Recent Europe*

Three hours

Description and explanation of the world conditions in 1914, the World War, readjustments that followed in each country, World War II, analysis of present-day European civilization. *First Term* MR. ALEXANDER 8:00

Graduate CoursesSOCIAL STUDIES 501, *Heritages of Western Civilization*

Three hours

An ancient, medieval, and modern historical synthesis with emphasis upon Christian standards.

Both Terms MR. LYCAN 2:00SOCIAL STUDIES 502, *Determining Influence in American History*

Three hours

A colonial, federal and modern historical synthesis of American History.

Both Terms MR. WHITENER 10:30SOCIAL STUDIES 504, *Formation of the American Union*

Three hours

An examination of the factors which made the American Union. The chief emphasis will be on the period from the Revolutionary Era to about 1800.

First Term MR. WHITENER 9:00SOCIAL STUDIES 505, *Civil War and Reconstruction*

Three hours

A study of the rise of Southern nationalism, Civil War, and Reconstruction. (Not offered 1953).

SOCIAL STUDIES 506, *Jacksonian Democracy*

Three hours

(Not offered 1953).

GEOGRAPHY 507, *Geography of North America*

Three hours

(Formerly Geo. 407).

North America in its relations to the world as a whole; its coast line, topography, drainage, soil, climate, mineral and plant resources, and distribution of people.

Second Term MR. YODER 9:00SOCIAL STUDIES 516, *Geographic Aspects of World Affairs*

Three hours

A geographic analysis of major world movements and events, associating the physical environment with social, political, and racial factors.

Second Term MR. YODER 8:00SOCIAL STUDIES 527, *The Old South*

Three hours

The Southern states preceding the Civil War, with emphasis on the social, economic, and political organizations and movements.

Both Terms MR. ALEXANDER 2:00

SOCIAL STUDIES 537, *The New South* Three hours

The Southern states after the Civil War, with emphasis on social, economic, and political developments. *Both Terms* MR. LYCAN 11:30

SOCIAL STUDIES 542, *History of American Foreign Policy* Three hours

A survey of American foreign policy from Washington to the present.
First Term MR. LYCAN 8:00

SOCIAL STUDIES 544, *International Relations* Three hours

The emphasis in this course will be placed on the development of the agencies which form the legal basis of world cooperation and world federation.
Second Term MR. LYCAN 8:00

SOCIAL STUDIES 550a, *Research in Southern History* Three hours

A course specially planned for the high school social studies teacher. The student may register for a second term in this course under number 550b. (Not offered 1953). *First Term* MR. WHITENER 2:00

SOCIAL STUDIES 550b, *Research in Southern History* Three hours

This is a continuation of Social Studies 550a.
(Not offered 1953).

Government

GOVERNMENT 201, *Government of the United States* Three hours

The organization and operation of the federal government.
First Term MR. HOWELL 1:00

GOVERNMENT 302, *Recent Political Thought* Three hours

Major trends in recent and contemporary political thought.
Second Term MR. ALEXANDER 8:00

GOVERNMENT 303, *State Government* Three hours

Second Term MR. HOWELL 1:00

Economics

ECONOMICS 201, *Introductory Economics* Three hours

Economic problems primarily for students who are not social science majors; designed to give sufficient economic knowledge for an intelligent approach to current problems. *First Term* MR. PRITCHETT 9:00

ECONOMICS 210, *Principles of Economics* Three hours

Economic principles to acquaint the student with the economic organization of society. *Second Term* MR. PRITCHETT 9:00

ECONOMICS 303, *Consumer Economics* Three hours

Second Term MR. PRITCHETT 10:30

ECONOMICS 402, *Personal Finance* Three hours

Personal economics, with emphasis on the wise handling of personal and family funds. *First Term* MR. PRITCHETT 10:30

ECONOMICS 413, *Current Economics*

Three hours

A study of economics relative to the international, national, state, and local problems that effect the lives of the American people today. Assignments, readings, discussions, and reports.

Second Term MR. PRITCHETT 1:00

GeographyH GEOGRAPHY 101, *Principles of Geography*

Three hours

Emphasis on place geography for geographical vocabulary; earth relations, latitude, longitude, rotation, revolution; factors of climate: temperature, moisture, winds, plains, plateaus, mountains, rivers, etc.

First Term MISS BURCH 1:00

H GEOGRAPHY 102, *World Regions*

Three hours

Earth conditions on types of industry; social organization and government; the function of applied science in adaptation.

First Term MR. YODER 8:00

H GEOGRAPHY 309, *Geography of South America*

Three hours

Geographical regions of South America; political divisions, cities, commerce, industry, and probable future trends. Offered in 1947-48 and alternate years thereafter.

Second Term MISS BURCH 1:00

GEOGRAPHY 411, *Introductory Geology*

Three hours

Origin and significance of the earth's surface features, and agencies affecting changes in the earth's surface; common rocks and rock-forming minerals, with emphasis on those of Western North Carolina.

First Term MR. YODER 9:00

GEOGRAPHY 412, *Geology of North Carolina*

Three hours

Soil, climate, and subjacent rock formations in North Carolina. Prerequisite Geography 411.

Second Term MR. YODER 2:00

SociologySOCIOLOGY 301, *Educational Sociology*

Three hours

A general introductory course in the educational approach to sociology.

First Term MR. HOPKINS 2:00

Second Term MISS BOYD 8:00

SOCIOLOGY 302, *Rural Sociology*

Three hours

The rural community: origin and development, population status, social, economic, and religious institutions, recent improvements, and probable future trends.

First Term MR. HOPKINS 1:00

SOCIOLOGY 403, *The Family*

Three hours

The family from the standpoint of sociology and psychiatry: its background, modifications caused by cultural changes, recent problems, and mass and individual readjustments.

Second Term MISS BOYD 3:00SOCIOLOGY 406, *Race Relations*

Three hours

(Not offered 1953).

Senior—Graduate CoursesSOCIOLOGY 495, *Social Pathology*

Three hours

A study of social and personal maladjustments within the context of the primary institutions—the family order, the economic order, the state order, the religious-educational order. Problems of social change, group conflict, race relations, poverty and dependency, crime and penology will be studied. (Not offered 1953).

SOCIOLOGY 496, *Social Problems of the Southern Regions*

Three hours

The purpose of this course is to give to the teacher and administrator an understanding of the social and economic conditions of the southern regions. The following topics will be considered: An overview, regional evaluation, natural resources, technology, deficiency, waste, industry, wealth, human resources, regional planning.

First Term MR. HOPKINS 9:00*Second Term* MISS BOYD 9:00**DEPARTMENT OF LANGUAGES****English**

Hed

ENGLISH 101, *Grammar and Composition*

Three hours

Fundamentals of oral and written composition.

First Term MR. DEDMOND 9:00

MISS SHIPMAN 11:30

66 ENGLISH 102, *Grammar and Composition*

Three hours

Continuation of English 101. *First Term* MR. DEDMOND 11:30

MR. DEDMOND 2:00

11 ENGLISH 103, *Grammar and Composition*

Three hours

Continuation of English 102. *Second Term* MR. COOK 9:00

MR. DEDMOND 2:00

ENGLISH 204, 205, 206, *English Literature* Nine hours

A survey of English literature from its beginning to the twentieth century. Prerequisites, English 101, 102, 103. This is a twelve-weeks course. No registration accepted for second term only.

First Term MISS SHIPMAN 8:00-10:00
MR. COOK 10:30-12:30

Second Term MISS SHIPMAN 8:00-10:00
MR. COOK 10:30-12:30

ENGLISH 215, *Fundamentals of Speech* Three hours

Speech as a means of social adaptation and control. Speaking projects to develop awareness of acceptable and unacceptable speech habits and to guide in the acquisition of desirable ones.

First Term MISS JOHNSTON 2:00

Second Term (To be supplied) 2:00

ENGLISH 240, *Speech Education in the Elementary School* Three hours

Designed to help teachers in the elementary school to a better understanding of the development of speech in children.

First Term MISS JOHNSTON 9:00

ENGLISH 307, *American Literature* Three hours

A survey of American literature. Prerequisite, Junior standing.

First Term MR. HAMILTON 10:30

ENGLISH 308, *American Literature* Three hours

Continuation of English 307. *Second Term* MR. HAMILTON 8:00

ENGLISH 309, *American Literature* Three hours

Continuation of English 308. *Second Term* MR. HAMILTON 1:00

ENGLISH 310, *Speech* Three hours

Enunciation and oral interpretation; readings; the preparation and presentation of different types of speeches.

First Term MISS JOHNSTON 11:30

Second Term (To be supplied) 11:30

ENGLISH 311a, *Contemporary Literature* Three hours

American literature from 1900 to the present.

Second Term MISS SHIPMAN 10:30

ENGLISH 312, *Literature for Children* Three hours

Choosing and presenting the literature of childhood to children in the elementary grades.

First Term MISS McLAUCHLIN 2:00

Second Term MISS McLAUCHLIN 1:00

ENGLISH 314, *Literature for Grammar Grades* Three hours

Similar to English 312, but for children in the upper grades.

Both Terms MISS McLAUCHLIN 10:30

ENGLISH 326, *Southern Literature* Three hours

The major Southern writers and their contribution to American Literature.
First Term MR. COOK 3:00

ENGLISH 328, *Speech Education in the Secondary School* Three hours

Designed for secondary-school teachers. Includes an analysis of the speech needs of high-school students, the methods of meeting these needs in the classroom and in extra-class activities, the building of a course of study, classroom projects, and textbook analysis.

Second Term (To be Supplied) 9:00

ENGLISH 450, *Advanced English Grammar* Three hours

Both Terms MR. EGGERS 8:00

ENGLISH 451, *Advanced Composition* Three hours

Second Term MR. DEDMOND 10:30

MR. DEDMOND 11:35

Senior—Graduate Courses

ENGLISH 417b, *Shakespeare's Comedies* Three hours

An analytical study of four representative comedies; oral and written reports on additional comedies and collateral reading.

First Term MR. McCUTCHAN 10:30

ENGLISH 417c, *Shakespeare's Tragedies* Three hours

Intensive study of *Macbeth*, *Hamlet*, *King Lear*, and *Othello*; oral and written reports on additional tragedies and collateral reading.

Second Term MR. McCUTCHAN 10:30

ENGLISH 418, *Poetry of the Romantic Period* Three hours

The poetry of Wordsworth, Coleridge, Shelley, Byron, and Keats, with some attention to the minor poets of the period.

First Term MR. EGGERS 11:30

ENGLISH 419p, *Poetry of the Victorian Period* Three hours

The poetry of Tennyson, Browning, Arnold, Rossetti, Swinburne, and others.

Second Term MR. EGGERS 11:30

ENGLISH 431, *Milton* Three hours

Rapid reading of Milton's poetry, with major emphasis on *Paradise Lost* and *Paradise Regained*. Collateral readings from the prose works.

Second Term MR. EGGERS 2:00

Graduate Courses

ENGLISH 505, *History of the English Language* Three hours

Origin and development of the language; the relation of English to other languages.

First Term MR. McCUTCHAN 1:00

- ENGLISH 511, *English Drama, 1550-1600* Three hours
First Term MR. McCUTCHAN 2:00
- ENGLISH 512, *English Drama, 1600-1642* Three hours
 Prerequisite, English 511. *Second Term* MR. McCUTCHAN 9:00
- ENGLISH 535, *Victorian Prose* Three hours
 A study of selected writings by Macaulay, Newman, Carlyle, Ruskin, Arnold, and Pater. *First Term* MR. EGGERS 10:30
- ENGLISH 542, *American Literature* Three hours
 Studies in American Literature, 1830-1870. *First Term* MR. HAMILTON 11:30
- ENGLISH 543, *American Literature* Three hours
 Studies in American Literature, 1870-1914. *First Term* MR. HAMILTON 2:00
- ENGLISH 544, *American Literature* Three hours
 Studies in American Literature, 1914 to the present. *Second Term* MR. HAMILTON 10:30
- ENGLISH 561, *Literary Criticism* Three hours
 The history of literary criticism from Aristotle to the end of the nineteenth century. *Second Term* MR. McCUTCHAN 1:00

DEPARTMENT OF MATHEMATICS AND PHYSICS

Mathematics

- MATHEMATICS 104, *College Algebra* Three hours
 A review of high school algebra, radicals, quadratics, functions and their graphs, and advanced topics in quadratics, ratio and proportion, variation, progressions, and systems of equations involving quadratics. *First Term* MR. CASHION 8:00
- MATHEMATICS 105, *College Algebra* Three hours
 Continuation of Mathematics 104; complex numbers; theory of equations, determinants, partial fractions, permutations and combinations, probability, sequences, and series. *Second Term* MR. CASHION 8:00
- MATHEMATICS 106, *Plane Trigonometry* Three hours
 Trigonometric functions of an acute angle with simple applications to the solution of right triangles; trigonometric functions of any angle; identities, variations of the functions, line values, graphs, fundamental re-

lations, reduction of formulae, logarithms, solution of the oblique triangle, addition theorems and related formulae, inverse trigonometric functions, and trigonometric equations.

First Term MR. MONTGOMERY 10:30

MATHEMATICS 207, *Plane Analytic Geometry* Three hours

The two coordinate systems with applications, the straight line, and the circle. Prerequisite, Mathematics 104, 105, 106. (Not offered 1953).

MATHEMATICS 208, *Plane Analytic Geometry* Three hours

Continuation of Mathematics 207: transformation of coordinates, transcendental equations, general locus problems, conic sections and empirical equations. (Not offered 1953).

MATHEMATICS 310, *Calculus* Three hours

Theory of limits, differentiations, applications of the derivative, successive differentiation and applications, differentiation of transcendental functions and applications parametric equations, polar equations, roots, graphical solutions of important curves, and differentials. Prerequisite, Mathematics 207, 208.

First Term MR. MONTGOMERY 1:00

MATHEMATICS 311, *Calculus* Three hours

Integration of various functions, constant of integration, definite integral and applications, and integration by the process of summation. Prerequisite, Mathematics 310.

Second Term MR. MONTGOMERY

MATHEMATICS 312, *Calculus* Three hours

The theorem of mean value with applications, curvature, radius and circle of curvature, formal integration by various devices, reduction formulae, centroids, fluid pressure, series, expansion of functions, applications. Prerequisite, Mathematics 310.

Second Term MR. MONTGOMERY 1:00

MATHEMATICS 316, *Arithmetic for Teachers* Three hours

The mathematical skills which are needed by teachers of arithmetic.

Second Term MR. PETRY 8:00

EDUCATION 420, *Teaching High School Mathematics* Three hours

The objectives of high school mathematics, a background for appreciation purposes, general principles of secondary education applied to material, and suggestions for auxiliary activities.

First Term MR. TRIPP 2:00

Senior—Graduate Courses

MATHEMATICS 414, *Theory of Equations* Three hours

Imaginary numbers, theorems on the roots of an equation, the solution of cubic and quartic equations, and Newton's and Horner's method of solving equations of the n th degree. Prerequisites: Mathematics 310, 311, 313.

Second Term MR. WRIGHT 2:00

MATHEMATICS 415, *College Geometry* Three hours

Advanced problems in geometric construction, geometric loci, similar and homothetic figures, medians, altitudes, bisectors, and the nine-point circle. Prerequisites: Mathematics 310, 311, 312. (Not offered 1953).

MATHEMATICS 417, *Differential Equations* Three hours

Definitions and applications, equations of the first order and the first degree with applications, equations of the first order and higher degree than the first, singular solutions, linear differential equations with constant co-efficients, and linear equations of the second order. Prerequisites: Mathematics 310, 311, 312. *First Term* MR. WRIGHT 1:00

MATHEMATICS 423, *History of Mathematics* Three hours

The men who made mathematics, the historical development of the various branches, theory of numbers, calculating devices, and weights and measures. (Not offered in 1953).

MATHEMATICS 424, *Mathematics of Finance* Three hours

This course considers in detail such topics as compound interest, annuities, sinking funds, amortization, depreciation, bonds, and life insurance. *First Term* MR. MONTGOMERY 8:00

MATHEMATICS 425, *Elementary Mathematical Statistics* Three hours

Graphs and notation, moments, cumulative frequency, the normal law, trend and ratio charts, correlations, regression, frequency curves, sampling. Prerequisites: Mathematics 310, 311, 312.

First Term MR. WRIGHT 8:00

Graduate Courses

MATHEMATICS 501, *Higher Algebra* Three hours

Polynomials and fundamental properties, properties of determinants, linear dependence, linear equation, matrices, invariants, bilinear forms, quadratic forms. Prerequisites: Mathematics 310, 311, 312. (Not offered 1953).

MATHEMATICS 502, *Higher Algebra* Three hours

A continuation of the first course in Higher Algebra. Topics studied include the general properties of polynomials, factors of polynomials in one or more variables, binary forms, integral rational invariants, symmetric polynomials. Prerequisite, Mathematics 501. (Not offered 1953).

MATHEMATICS 504, *Advanced Calculus* Three hours

Indeterminate forms, power series, partial differentiation, implicit functions, applications to geometry, the definite integral gamma and beta functions, and line, surface, and space integrals. Prerequisites: Mathematics 310, 311, 312. *First Term* MR. WRIGHT 9:00

MATHEMATICS 505, *Advanced Calculus* Three hours

A continuation of the first course in Advanced Calculus. Topics studied include vector notation, differential equations of the first and higher orders, Bessel functions, partial differentiation equations, calculus of variations, functions of a complex variable. Prerequisite, Mathematics 504. *Second Term* MR. WRIGHT 9:00

MATHEMATICS 506, *Mathematical Theory of Statistics* Three hours

Errors and numerical computation, finite differences, interpolation, gamma and beta functions, probability, averages and aids in their computation, moments, the normal curve, statistical series correlation theory. Prerequisite: Mathematics 505. *Second Term* MR. MONTGOMERY 2:00

MATHEMATICS 507, *Advanced Differential Equations* Three hours

Solution of equations of higher order than the first, integration in series, total differentiation, systems of simultaneous equations, partial differential equations of the first and higher orders. Prerequisite: Mathematics 417.

Second Term MR. WRIGHT 1:00

MATHEMATICS 508, *Solid Analytical Geometry and Determinants*

Three hours

Equations of the plane and the right line in space, quadric surfaces and their equations, the conoid and its transformations, applications of determinants and matrices. Prerequisites: Mathematics 310, 311, 312.

(Not offered 1953).

MATHEMATICS 509, *Theory of Numbers* Three hours

Properties of the rational integers, divisibility, greatest common divisor, solution of simple congruences, quadratic residues, reciprocity law, quadratic forms. Prerequisites: Mathematics 310, 311, 312. (Not offered 1953).

MATHEMATICS 510, *Seminar* Three hours

The student will be required to submit and present materials relative to mathematical topics or subjects and to defend his statements and conclusions with respect to them. Ideas may be presented by the teacher or originate with the student.

First Term STAFF 2:00

Physics

PHYSICS 301, 302, *General Physics* Nine hours

A year's study of the elements of the science from both the theoretical and practical standpoints. Primary consideration is given the fundamental laws and principles which underlie all advanced theories and problems.

This course will require the same amount of work in twelve weeks during the summer quarter as is done in thirty-six weeks during the regular year. *No registration accepted for six weeks in this course. Five recitation periods and four two-hour laboratory periods per week. Fee \$4.50 per term.*

MR. STACY, *Recitation* 8:00; *Laboratory* 2:00-4:00

PHYSICS 404, *Optics*

Three hours

An introduction to advanced physical and geometrical optics. Four lectures per week with double laboratory period substituted for lectures as needed. *Fee \$3.00.*

First Term MR. STACY 1:00**PHYSICS 405, *Modern Physics***

Three hours

Atomic structure, origin of spectra, X-rays, and electronics. Four lectures per week with double laboratory periods substituted for lectures as needed. *Free \$3.00.*

First Term MR. STACY 9:00**PHYSICS 408, *Electricity and Magnetism***

Three hours

Designed to cover thoroughly the fundamentals of direct-current electricity and give an introduction to alternating current electricity. Four lectures per week with double laboratory periods substituted for lectures as needed. *Fee \$3.00.*

Second Term MR. STACY 1:00**DEPARTMENT OF MUSIC****MUSIC 201, *Fundamentals of Music***

Two hours

Objectives and functions of music in relation to the school; keys, syllables, scale and interval work, sight singing and ear training through melodic dictation.

Both Terms MRS. HARGROVE 8:00**MUSIC 202, *Music for Children***

Two hours

Consideration of music as an enjoyable and rewarding experience for all children. Presentation of curricular plans and usable materials which will provide for the continuous musical development and personal growth of the individual child. Rhythm bands, dramatic play, discriminating listening, creative expression. Kindergarten through sixth grade. Recommended for the general class room teacher as well as the music specialist and supervisor.

Both Terms MRS. HARGROVE 9:00**MUSIC 203, *Music for Children***

Two hours

Building desirable community-school relationships through music. Evaluation of appropriate materials and current procedures used in directing and presenting special and seasonal programs for both school and civic occasions.

Both Terms MRS. HARGROVE 2:00**MUSIC 408, *Music Appreciation***

Three hours

Constructive listening to vocal and instrumental compositions, great musicians, early church and folk music.

Both Terms MR. ISLEY 11:30**Applied Music**

Private study is offered in piano, voice, and violin as well as band and orchestral instruments. In each of these fields the work will be adapted to the needs of the individual student. Courses in applied music are required of all music majors but may be elected by students not majoring in music.

Piano

This course is basic for all students majoring in music. It is designed to prepare the student for a teaching career and help him gain skill in public performance, stressing the development of sound musicianship. It is advisable that the student have several years of previous study before enrolling as a piano major. Satisfactory piano study should guarantee the following outcomes: the ability to sight read; play simple accompaniments in a musicianly manner; understand representative works from all schools of music, from the Pre-Bach era to the present day.

Both Terms MR. COLE
MR. ROOKER

Violin

The purpose of the violin work is to promote in each student the basic techniques of good intonation, clarity and refinement of fingering and bowing styles, and the development of tonal beauty. Emphasis is placed upon the importance of phrasing and interpretation. It is advisable that those students expecting to major in violin shall have had sufficient preparation to warrant a major in this instrument.

Both Terms MR. ERNESTON

Voice

This work is designed to prepare the student for a career as a performer or as a teacher, or both. The student wishing to major in voice must be able to show definite indication of talent, such as a voice with possibilities for development, the ability to sing on pitch, and an intuitive musical aptitude. Study will include elements of vocal production, diction, diaphragmatic breathing, good posture, vocalises and technical exercises; appropriate songs adapted to the student's needs and progress; vocal methods preparatory to private and group instruction in public school teaching.

Both Terms MRS. LINNEY
MR. SAFRIT

Brass Instruments

This study emphasizes proper breath control, embouchure and position as well as good tone production and intonation for each instrument. Exercises and pieces suitable to the student's ability and progress are used.

Both Terms MR. NASH
MR. BLANTON

Woodwind Instruments

This course emphasizes proper breath control, good intonation based on an understanding of pitch and pitch modification as well as technical facility with the instrument selected for study. Materials will be chosen on the basis of the student's ability and progress.

Both Terms MR. SPENCER

String Instruments

Private lessons in viola, cello and string bass stressing the basic techniques of good intonation, correct fingering positions and bowing styles.

Both Terms MR. ERNESTON

Senior—Graduate Courses

MUSIC 450, *Instrumental Literature* Three hours

An advanced instrumental methods course offering a comprehensive survey of the available literature, methods, and materials for use in the public schools. All literature, methods, and materials are catalogued and graded according to instrumentation and difficulty.

First Term MR. ERNESTON 11:30

MUSIC 453, *Instrument Repair and Adjustment* Three hours

The repair and care of string, wind, and percussion instruments.

First Term MR. SPENCER 2:00

MUSIC 455, *Independent Work in Music* Three hours

This course permits research in some phase of music to meet the needs and professional interest of the individual.

Second Term STAFF Arrange

Graduate Courses

MUSIC 500, *Band Pageantry* Three hours

The organization and administration of the marching band. A study of the fundamentals of marching, precision drilling, formations, and maneuvering. The planning of football halftime shows and street parades applicable to the student's local situation. When possible a practical laboratory experience will be provided through work with the college or demonstration school bands.

Second Term MR. SPENCER 3:00

MUSIC 501, *Music of the Baroque and Classical Periods* Three hours

An intensive study of music from 1600 to the death of Beethoven. Lectures, reports, and listening to recordings.

First Term MR. ERNESTON 9:00

MUSIC 502, *Advanced Orchestration* Three hours

A practical course in arranging music for the school band and orchestra. Projects growing out of actual problems involving substitution of instruments and rearrangement of scores. Writing for full band and orchestra.

Second Term MR. ERNESTON 8:00

MUSIC 503, *Music of the Romantic Period* Three hours

Styles, forms and composers of the nineteenth century. Lectures, reports, and listening to recordings.

Second Term MR. ERNESTON 9:00

MUSIC 504, *Advanced Instrumental Conducting* Three hours

Emphasis is placed upon the critical examination of scores and score reading. Baton techniques involved in securing the desired effects with regard to tempo, phrasing, nuance, balance, timbre, etc.

Second Term MR. KLEIN 10:30

MUSIC 505, *Music of the Twentieth Century* Three hours

A study of the music literature from the time of Debussy to the present. Lectures, reports, and listening to records.

First Term MR. ERNESTON 8:00

MUSIC 506, *Advanced Choral Conducting* Three hours

A laboratory course in advanced problems of instrumental and choral conducting. Supervised conducting experience is provided.

Second Term MR. KLEIN 9:00

MUSIC 507, *Applied Music*. (Three quarters may be taken) One hour

Private instruction is offered in piano, voice, strings, and wind instruments. A total of three quarter hours may be taken toward the master's degree. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.

Both Terms STAFF To be arranged

MUSIC 509, *Independent Work in Composition* Three hours

A directed individual study to meet the needs of the student in the field of composition.

First Term STAFF To be arranged

MUSIC 510, *Choral Literature* Three hours

A study of choral literature for high school and community groups. The mixed chorus, girls glee club, boys glee club, the small vocal ensemble, and literature for church choirs.

First Term MRS. LINNEY 10:30

MUSIC 511, *Music in the Curriculum* Three hours

Music and its place in the curriculum. The correlation of music with other subjects. Planning and presentation of units of teaching.

First Term MR. NASH 3:00

MUSIC 513, *Instrumental Organization and Administration* Three hours

A study of the organization and administration of bands, orchestras, and ensemble groups. The problems of scheduling, purchasing instruments and equipment, and housing.

Second Term MR. SPENCER 11:30

MUSIC 520, *Choral Public Performance Workshop* Three hours

This course affords the opportunity to study and present the extensive literature of motets, madrigals, part songs and folk songs; music literature in the larger forms, operettas, oratorios, the a cappella choir, preparation and presentation of grade and high school operettas, staging, lighting, action and makeup. A part of the course is devoted to the examination of materials. Choral music appropriate to the costume concert.

First Term MR. TAYLOR 2:00

DEPARTMENT OF PSYCHOLOGY

PSYCHOLOGY 201, *General Psychology* Three hours

The fundamental problems and techniques of psychology and physiological bases of behavior, sensation and perception, habit and memory, imagination, reasoning, will and personality.

First Term MR. MCPHAIL 8:00

PSYCHOLOGY 303, *Educational Psychology* Three hours

The facts and principles of psychology in relation to: the educational process, the individual child, problems and emotional stress and discipline, the course of learning, retention and reproduction, problems of transfer, and general training.

Both Terms MR. SMITH 11:30

PSYCHOLOGY 305, *Child Psychology* Three hours

Factors relating to the physical, mental, social, emotional, and personality development of children; significant contributions and techniques now employed in child psychology. *Second Term* MR. MCPHAIL 8:00

PSYCHOLOGY 302, 303, 304, *The Child* Nine hours

Physical and Mental Development of the Child:

Biological, social, and emotional influences relating to the child's growth. Principles of development will be observed in children of different age levels in various social settings.

The Learning Process:

Perceptual and motor learning, thinking and problem solving behavior, guidance in learning school subjects, measuring the results of learning, and theoretical considerations.

Motivation and Adjustment:

General personality trends, mental hazards of the school child, clinical experience in analysis and treatment of various personality difficulties. These courses constitute a twelve weeks course.

MR. HARGROVE 2:00-4:00 (G. G.)

MR. HARGROVE 10:30-12:30 (H. S.)

PSYCHOLOGY 407, *Mental Hygiene* Three hours

Emotional and mental health, psychological and psychiatric principles essential for understanding behavior problems, and the role of the teachers in the hygiene program of the school. *First Term* MR. RAINES 9:00

Senior—Graduate Courses

PSYCHOLOGY 496, *Psychology of Music* Three hours

A systematic study of the psychological processes upon which music appreciation, musical performance, and musical creation depend. Demonstrations, lectures, and evaluations of selected readings in musical psychology. (Not offered 1953).

PSYCHOLOGY 498, *Applied Psychology* Three hours

A study of the basic needs of the individual with emphasis upon recognition of these needs in the classroom and in everyday living.

Both Terms MR. CLEM 2:00

The Training Schools

The elementary training school will open on June 22 and close on August 14. The high school will open on June 15 and close on August 14. The work in the elementary school will cover the seven grades. The work in the high school will cover the high school subjects. In these schools, the demonstration classes are taught by the regular faculty of the school.

Any person who registers in the college summer school and has children of school age may enter them in the elementary school for a charge of \$2.00 for materials. High school students may enter the high school upon payment of a tuition fee of \$7.50 per unit of credit. All students in both schools will furnish their own books and supplies.

Capable high school students, by intensive work, may earn from one to one and a half units of credit in the summer term. Until the classes are filled, the high school will be open to any one of good moral character. Approximately one hundred and twenty-five high school students can be taken care of in these classes. Good boarding and rooming accommodations can be had in town.

Anyone writing concerning high school work should address:

DR. HERBERT WEY
APPALACHIAN HIGH SCHOOL
BOONE, NORTH CAROLINA

Anyone writing concerning elementary school work should address:

PROF. JOHN T. HOWELL
APPALACHIAN ELEMENTARY SCHOOL
BOONE, NORTH CAROLINA

The Appalachian Summer School

for

North Carolina and the South

BOONE, NORTH CAROLINA

First Term		June 10 to July 17
Second Term		July 21 to August 27
First Two-week Term		July 6-17
Second Two-week Term		July 21-August 1
Third Two-week Term		August 3-14
Student Teaching Workshop		August 3-14
Music Education Workshop		August 3-15
Health Education Workshop		August 17-27

Program for Summer 1953

1. Program of studies to enable college students, of this or other institutions, to earn credits towards the bachelor's degree.
2. Program of studies to enable the teachers of the South to complete the requirements for the bachelor's degree at this institution during the summer sessions.
3. Special courses for the classroom teachers who may be more interested in improving their technique of teaching than adding to their college credits.
4. Courses which meet the requirements for the North Carolina High School Principal's Certificate upon the basis of six weeks study here.
5. Courses which meet the requirements for the Supervisor's Certificate in North Carolina.
6. Courses which meet the requirements for the Superintendent's Certificate in North Carolina.
7. A program of graduate study leading to the Master's degree which may be completed in three summer quarters.
8. Five special two-week summer terms: July 6-17; July 21-August 1; August 5-14 and August 17-27.

Please bring this Catalog with you. It will be needed when you register.